

REPORT ON CANCER IN NEVADA

1996-2000

A Comprehensive Report on Cancer from:

Nevada Central Cancer Registry

Nevada Death Registry

Nevada Inpatient Hospital Discharge (UB92)

Behavioral Risk Factor Surveillance Survey (BRFSS)

Center for Health Data and Research
Bureau of Health Planning and Statistics
Nevada State Health Division
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PREFACE

This report provides a comprehensive overview of the risks and burden of cancer in Nevada from 1996 to 2000. Cancer represents a group of diseases that will affect nearly half of the population at some time during their lifetime. Nationally, cancer-related costs total billions of dollars in treatment annually. Cancer has also consistently been the second leading cause of death for Nevada and the Nation for the last 20 years. This report provides a variety of information on cancer from four different data sources and has been organized to focus on specific aspects of cancer, (e.g. screening, diagnosis, inpatient treatment, mortality, and survival rate) with each section adding to the overall picture of cancer in Nevada.

The first section provides a comparison of the 22 leading types of cancer that comprise 91.8% of all types of cancer in Nevada; including incidence, inpatient hospital discharges, mortality, and survival rate subsections for comparison.

The second section includes various statistics on all cancers, reported among Nevada residents, to provide a complete look at cancer in the state. There are subsections for diagnosis, treatment, mortality and survival rate statistics for the 1996 to 2000 period.

The top ten leading types of cancer diagnosed in Nevada from 1996 to 2000, which accounts for 74.9% of the total number of cancer cases, are then highlighted within their own section to provide a more detailed look at the types of cancer that are most prevalent in Nevada. The reader should note that these types of cancer are presented based on the number of cases reported. Therefore, those cancers whose ranking is within the top ten based on inpatient discharges or mortality are not necessarily highlighted within their own section.

Statistics on those cancers not highlighted in the top ten sections are available in the Overview section and in a general section for All Other Cancers at the end of this report, where the remaining twelve leading cancers are briefly profiled.

Each major section in this report includes regional, gender, racial/ethnic, and age statistics in order to draw attention to potential targets for prevention and treatment efforts. These efforts in prevention and treatment will help to achieve progress toward reducing the risks and burden of Cancer in Nevada.

For note, trend statistics are not included in this edition of the *Report on Cancer in Nevada* since the estimated completeness of earlier cancer reporting was significantly lower than in more recent years, which would significantly affect any trends that would be included in this report. However, trend information will be included in the next edition.

This report is also available online at the Center for Health Data and Research's website: <http://health2k.state.nv.us/nihds/center.htm>

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TECHNICAL NOTES

This report brings together information from four primary data sources. The Nevada Central Cancer Registry (NCCR) within the Bureau of Health Planning and Statistics provided cancer incidence data. The Center for Health Information Analysis at the University of Nevada, Las Vegas (UNLV) provided inpatient hospital discharge (UB92) data. The Office of Vital Records (OVR), also within the Bureau of Health Planning and Statistics, provided the mortality data for this report. The Center for Applied Research at the University of Nevada, Reno (UNR) provided the Behavioral Risk Factor Surveillance System (BRFSS) data that were used to determine the rates of cancer screening.

General considerations that were made for this report include:

- **Aggregation of Data**

This is a statistical report. Every attempt has been made to present the data in a format that does not allow the identification of an individual to be possible. While demographic information such as sex, race/ethnicity and age has been included in aggregate form, no attempt should be made to identify any individual detailed in this report.

- **Types of Cancer Classification Systems**

The classification of the types of cancer was based upon a different coding system for each data source. The NCCR uses the International Classification of Disease, Oncology coding structure (ICD-O) that includes Topography (Primary Site) as well as Morphology (Tumor Type). This is similar to the ICD-10 system used in the 1999 and 2000 mortality data, to classify types of cancers. The 1996 to 1998 mortality data were coded using the ICD-9 classification system, which was also used by the inpatient hospital discharge data. A more detailed description of the codes used for this report is listed under considerations for each data source below, as well as in Appendix B.

- **Each data source is exclusive**

While this report presents cancer data from four different sources, it is important to remember that each dataset is external to the others shown. Individual records were not linked for this report, so caution should be used when comparing data from each data source.

- **Selection of Residence**

Only those events where the person was recorded as a Nevada resident at the time of diagnosis, time of discharge or time of death were included in this report. Those individuals who were listed as an Out of State resident were excluded.

- **County/Region of Residence**

This report details regional data as: Clark County, Washoe County and All Other Counties, as regions. This aggregation of the 15 remaining counties within

Nevada was implemented to accommodate the significantly smaller population sizes in these counties. Aggregation of the smaller population minimizes any extraneous fluctuations in the disease rates presented in this report that may occur due to the large variance in the number of cancer events for each area due to the small size of the resident population for these remaining counties. The counties included in the All Other Counties region are: Carson City, Churchill, Douglas, Elko, Esmeralda, Eureka, Humboldt, Lander, Lincoln, Lyon, Mineral, Nye, Pershing, Storey, and White Pine.

- **Map Representation**

The maps presented in this report are provided to facilitate visual comparisons of rates within the state. However, caution should be used when interpreting these rates due to the small cell size and large variance that are present with many of the smaller counties in Nevada.

- **Gender Specific Cancer Rates**

For gender specific cancers, such as Prostate, Female Breast, Cervix Uteri, Corpus Uteri & Uterus Not Otherwise Specified (NOS), and Ovary Cancers the rates listed in this report are per 100,000 gender-specific population, unless otherwise noted.

- **Calculation of Rates and Confidence Intervals**

Rates and their respective confidence intervals were not calculated for those categories where the number of events was less than ten.

- **Racial/Ethnic Groups**

Race/ethnicity groups used in this report: White, Black, Native American, Asian, and Hispanic were calculated to be mutually exclusive, except for the National rates where a similar population base could not be calculated. So, National rates for racial/ethnic groups are calculated based on either the race or ethnicity listed on the record. These rates may not be directly comparable with others listed in this report.

While every effort was made to develop reliable comparisons between all the data sources, each source had their own unique factors to consider. Below, in detail, are the specific differences between each source and how this report uses each type of information.

CANCER INCIDENCE STATISTICS:

The cancer incidence statistics used for this report are from the NCCR, which compiles cancer cases that are reported by, or abstracted from, hospitals and pathology labs in Nevada. Both Chapter 457 of the Nevada Revised Statutes and those regulations adopted by the State Board of Health regulate the Nevada Central Cancer Registry. More information on the reporting of information on cancer can be found under Chapter 457 of the Nevada Administrative Code. The NCCR also receives information from other states on Nevada residents who were diagnosed, or are being treated, in other states.

The main considerations for this data source include:

- **Cancer Registry Reporting**

The NCCR is a population-based registry. The validity of the numbers and rates used in this report depend on the completeness of cancer reporting, as well as the accuracy of the population estimates used. The North American Association of Central Cancer Registries (NAACCR) estimates the most current year of data presented in this report (2000) at 100% complete for case ascertainment and meets all other requirements for gold certification. The estimated average completeness for case ascertainment over the five years of data presented in this report is 93.2%, which exceeds the 90% case ascertainment requirement set by NAACR for silver certification.

- **Updated Data**

The NCCR is constantly being updated with new information, so the numbers published in this report may not match, or be directly comparable, with previously published data. The data that are presented in this report are from the NCCR as of January 2003.

- **Type of Cancers Reported**

The number of cases included in this report are those reported as having an invasive disease, except for Breast and Urinary Bladder Cancer that also include those diagnosed with an in situ cancer. This distinction is not available in the other data sources.

- **Type of Cancer Classification System**

The type of cancer was classified based on ICD-O2 Topography and Morphology codes. These codes provide levels of detail to the type of cancer that are not included in either the inpatient hospital discharge or mortality data. A detailed list of the actual groupings used for cancer incidence data, using both Topography and Morphology codes, can be found in Appendix B.

- **Survival Rates & Calculation**

The survival rates listed in this report may not be directly comparable to National survival statistics. The reader should exercise caution in comparing statistics listed in this report to those nationally reported. Major factors that should be considered are:

1. The rates do not include those reported as an Autopsy Only or Death Certificate Only (DCO) case.
2. Only those individuals who died from cancer and those still alive at last update are included in these calculations. Those dying from other causes of death are not included. However, it should be noted that the cause of death is not necessarily specific to the type of cancer listed at time of

- diagnosis. This is to include those cases where the cancer may have metastasized to another site.
3. The NCCR actively matches registry records to the Nevada Death Registry on a continuous basis. National statistics are usually based on data submitted at a certain point in time without future updates and data improvements. While calculations account for this difference, caution should be used when comparing the two areas.
 4. Those individuals who are recorded as having multiple primaries are included for the first primary only.
 5. Calculations exclude records with invalid dates and unknown ages.
 6. National statistics typically exclude those cases not actively followed. This report does not make this exclusion.

INPATIENT HOSPITAL DISCHARGE STATISTICS:

The Inpatient Hospital Discharge data used for this report were compiled by the Center for Health Information Analysis (CHIA) at the University of Nevada, Las Vegas (UNLV/CHIA) from the universal billing form #92, (UB92) for inpatient hospital discharges. These data represent patients discharged from January 1, 1996 through December 31, 2000, inclusive. This information was gathered and computerized by UNLV/CHIA as part of a contractual agreement between the Department of Human Resources and the University of Nevada under the authority granted in Section 439B of the Nevada Revised Statutes. The information was then given to the Center for Health Data and Research where it was analyzed for this report.

The main considerations for this data source include:

- **Primary Diagnosis Selection**

The number of resident inpatient discharges detailed in this report is based on a primary diagnosis of cancer. However, the database contains up to fourteen additional diagnoses. The difference between the two classifications is that there were 56,737 inpatient discharges that had cancer as any of the fifteen diagnoses. The number drops to 32,109 for those with cancer as the primary diagnosis. So, approximately 56.6% of the inpatient discharges related to cancer are published in this report. This was done to minimize any confusion that might occur from someone being treated for different types of cancer, as well as to focus on those discharges where cancer was the primary reason for being admitted.

- **Occurrence Based Data**

These statistics are based on the occurrence of inpatient hospital discharges. An individual could be counted more than once had they been admitted to the hospital for cancer more than once during this period. So, caution should be used when comparing inpatient hospital discharge data to the other data sources in this report.

- **Type of Cancer Classification System**

The inpatient hospital discharge statistics were coded with the ICD-9 system. This is the same structure that is used for the 1996 to 1998 mortality data. However, mortality data changed in 1999 to the ICD-10 version. A detailed list of the codes used to produce the groupings provided in this report for inpatient hospital discharge statistics can be found in Appendix B.

- **Racial/Ethnic Groups**

Race/ethnicity information is not available in this database.

MORTALITY STATISTICS:

The mortality statistics used in this report are from the Nevada Death Registry maintained by the Office of Vital Records. The OVR, within the Bureau of Health Planning and Statistics, is the official government entity that collects, processes and maintains the State of Nevada's vital records. Deaths are first recorded at the county level before being forwarded to the State Registrar. Funeral Directors, or persons acting as such, are legally charged with filing death certificates.

These certificates are checked for completeness and accuracy and then entered into a database on the State mainframe computer system. When a certificate is found to be inaccurate or incomplete, staff follow up with the providing entity in accordance with NRS 440.150 to make the necessary corrections and/or additions to make the record satisfactory and complete. It should be noted that the quality of mortality data presented in this report is directly related to the accuracy and completeness of the information contained on the death certificates.

The main considerations for this data source include:

- **Underlying Cause of Death**

The mortality data presented in this report are classified by the underlying (primary) cause responsible for death. Only those deaths where the underlying cause of death was cancer are included in this report.

- **Type of Cancer Classification System**

The 1996 to 1998 data used for this report were originally coded using the ICD-9 coding structure, while the 1999 and 2000 data were coded using the ICD-10 system. The ICD-9 system is a purely numeric coding system while the ICD-10 is an alphanumeric system. While there are many similarities between the ICD-9 and ICD-10 groupings, there are some differences between the types of cancer within the two versions. While there are comparability ratios available for the conversion between the two systems, the groups used in this report are based upon some customized groupings of which comparability ratios are unavailable. The mortality numbers in this report have not been adjusted for coding differences that may have occurred with the transition from the ICD-9 to ICD-10 system. A detailed list of the actual groupings used for cancer mortality data, with both the ICD-9 and ICD-10 codes, can be found in Appendix B.

CANCER SCREENING STATISTICS:

The cancer screening data shown in this report come from the Behavioral Risk Factor Surveillance System (BRFSS), which is funded by the Center for Disease Control and Prevention (CDC). The data were compiled by the Center for Applied Research at the University of Nevada, Reno (UNR/CAR), through the nation's largest telephone survey. The survey covers years from 1996 to 2001. This information was gathered and computerized by the Center for Applied Research as part of a contractual agreement between the Department of Human Resources and the University of Nevada. The information was then given to the Center for Health Data and Research where it was analyzed for this report.

The main considerations for this data source include:

- **Age of Respondents**

The survey covers only those people 18 years of age and older.

- **Frequency of questions**

The tables presented in this report are not for 1996 to 2001 inclusively. Some of the questions were asked on alternate years, while some have only been asked once. So, caution should be used when comparing these data.

- **Weighted percentages**

The percentages listed in this report are weighted on the survey population characteristics and may not match percentages that are directly calculated from the numbers listed in the table.

NATIONAL STATISTICS:

The only national cancer statistics provided in this report are for cancer incidence. This information is from the National Cancer Institute's Surveillance, Epidemiology and End Results (SEER) program. This program is the most comprehensive source of population-based cancer incidence information available for the United States. SEER covers approximately 14 percent of the US population through 11 population-based cancer registries and three supplemental registries.

The information presented in this report is based upon the customized use of SEER's public-use data featured within the SEER*Stat program. The databases used for calculations were the "SEER 11 Registries Public-Use Nov 2001 Sub for Expanded Races (1992-1999)" and "SEER 11 Registries Public-Use Nov 2001 Sub for Hispanics (1992-1999)". These databases are based upon SEER's 11 population-based cancer registries, which are: Atlanta, Connecticut, Detroit, Hawaii, Iowa, Los Angeles, New Mexico, San Francisco-Oakland, San Jose-Monterey, Seattle-Puget Sound, and Utah. These registries have been designed to represent the incidence of cancer within the aggregate population of the United States.

The main considerations for this data source include:

- **Aggregation of Data**

National statistics published in this report follow the guidelines in the SEER Public-Use data agreement. Therefore, those categories where the number is less than five are not shown.

- **Cancer Registry Reporting**

The national data in this report are based upon data collected from population-based registries. The validity of the numbers and rates used in this report depend upon the completeness of the cancer reporting, as well as the accuracy of the population estimates used.

- **Period of Reportable Data**

The most recent SEER data available are for the 1995 to 1999 period. So, it should be noted that comparisons in this report are based upon the 1996 to 2000 period for Nevada and the 1995 to 1999 period nationally.

- **Type of Cancers Reported**

The number of cases listed in this report are those cases reported as having malignant behavior, except for Breast and Urinary Bladder Cancer that include those diagnosed with an in situ behavior, in order to be comparable with Nevada data.

- **Prostate Cancer Stage Revision**

Prostate Cancer cases where the stage of cancer at time of diagnosis was originally coded as “Localized/regional (Prostate Cases 1995+)” are shown as localized within this report. Therefore, there will not be any regionally diagnosed cases of Prostate Cancer for the Nation listed in this report.

- **Racial/Ethnic Groups**

Race/ethnicity groupings, similar to Nevada, were not available for rates, since the population estimates provided in SEER*Stat were not organized in a similar format. Rates were available by either race or ethnicity, which means that the national rates presented in this report represent rates of Whites, Blacks, Native Americans and Asians (of any ethnicity) and Hispanics (of any race). Caution should be used when interpreting these rates, which may not be directly comparable with others listed in this report.

POPULATION ESTIMATES:

The Nevada population data used in this report are based on the database established by the Nevada State Demographer’s Office and the Nevada Department of Taxations, as well as 1990 and 2000 Census data from the US Bureau of the Census.

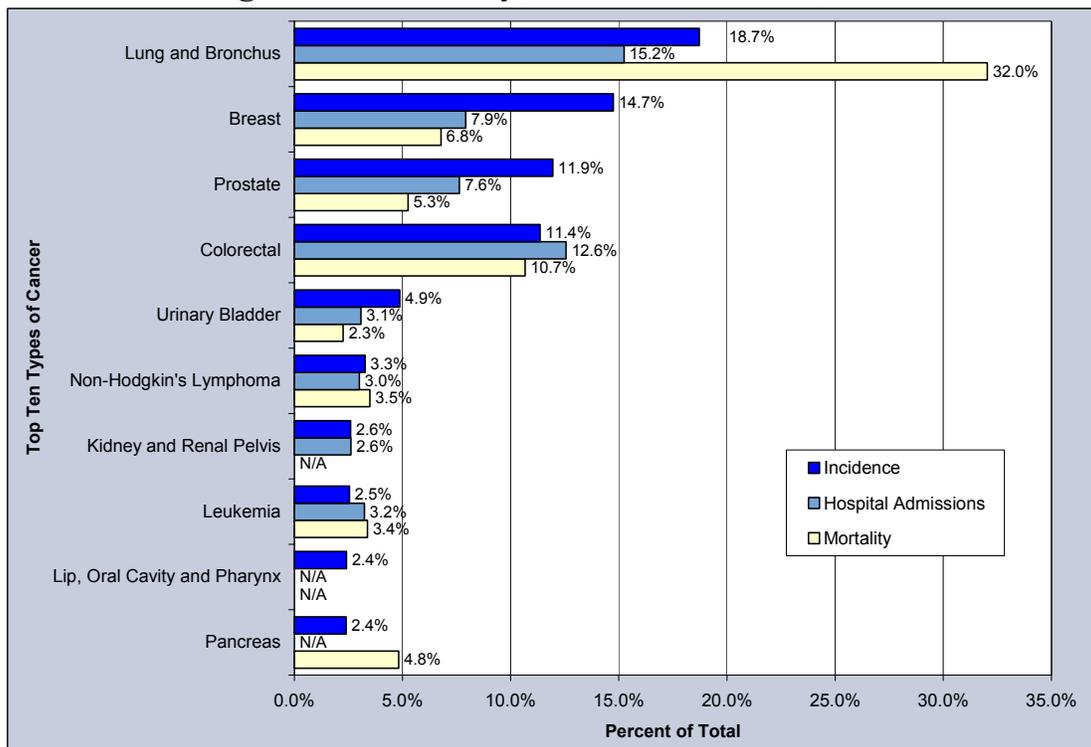
OVERVIEW

OVERVIEW

HIGHLIGHTS

- Lung and Bronchus Cancer was the leading type of cancer for incidence, inpatient hospital discharges and mortality in Nevada from 1996 to 2000. This type of cancer accounted for 18.7% of the total cancer incidence, 15.2% of all cancer inpatient hospital discharges, and 32.0% of cancer mortality during this period.
- Thyroid Gland Cancer by far had the highest comparison ratio of incidence to mortality age-adjusted rates of any type of cancer in Nevada, with a ratio of 16.43, from 1996 to 2000. This means that for every 100 deaths from Thyroid Gland Cancer there would be 1,643 cases. The second leading type was Uterine Cancer with a ratio of 6.15.
- Pancreatic Cancer had the lowest comparison ratio of incidence to mortality age-adjusted rates of any type of cancer in Nevada, with a ratio of 1.12 during this period. This means that for every 100 deaths from Pancreatic Cancer there were 112 cases. The second leading type of cancer, Esophagus Cancer, had a ratio of 1.21.

Figure 1. Top Ten Leading Types of Cancer by Percentage of Total Incidence, Discharges and Mortality, Nevada Residents, 1996-2000



Note: "N/A" indicates that this type of Cancer was not in the Top Ten for the respective data source.

Figure 2. Highest Incidence to Mortality Age-Adjusted Rate Ratios by Type of Cancer, Nevada Residents, 1996-2000

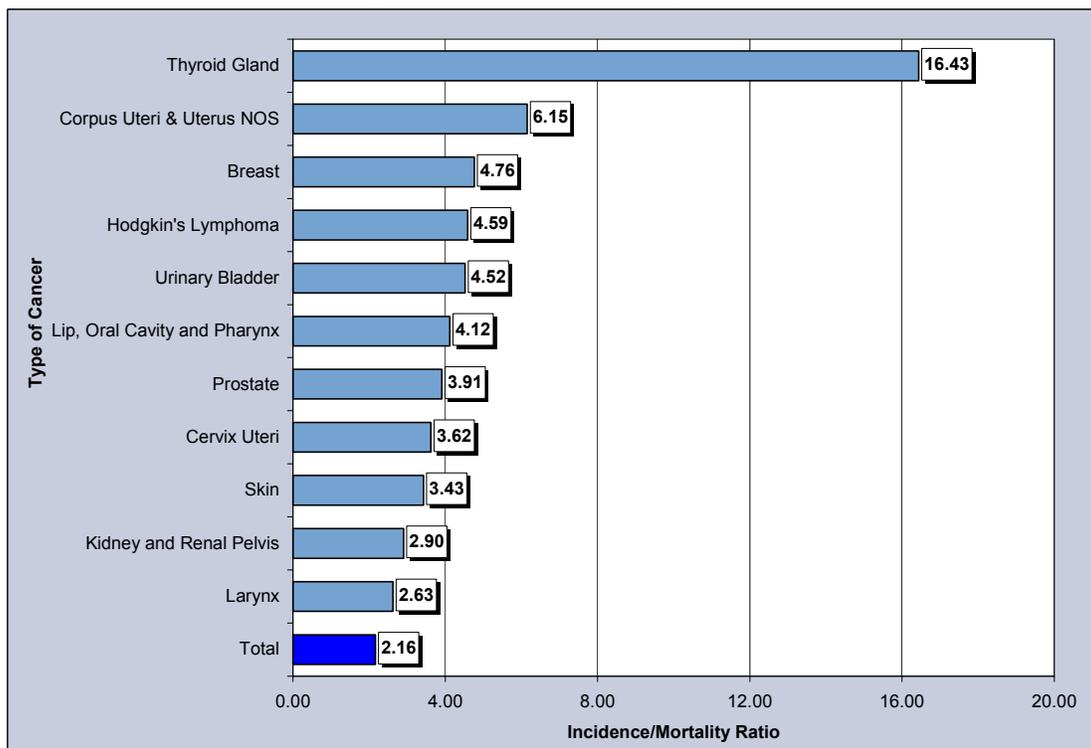


Figure 3. Lowest Incidence to Mortality Age-Adjusted Rate Ratios by Type of Cancer, Nevada Residents, 1996-2000

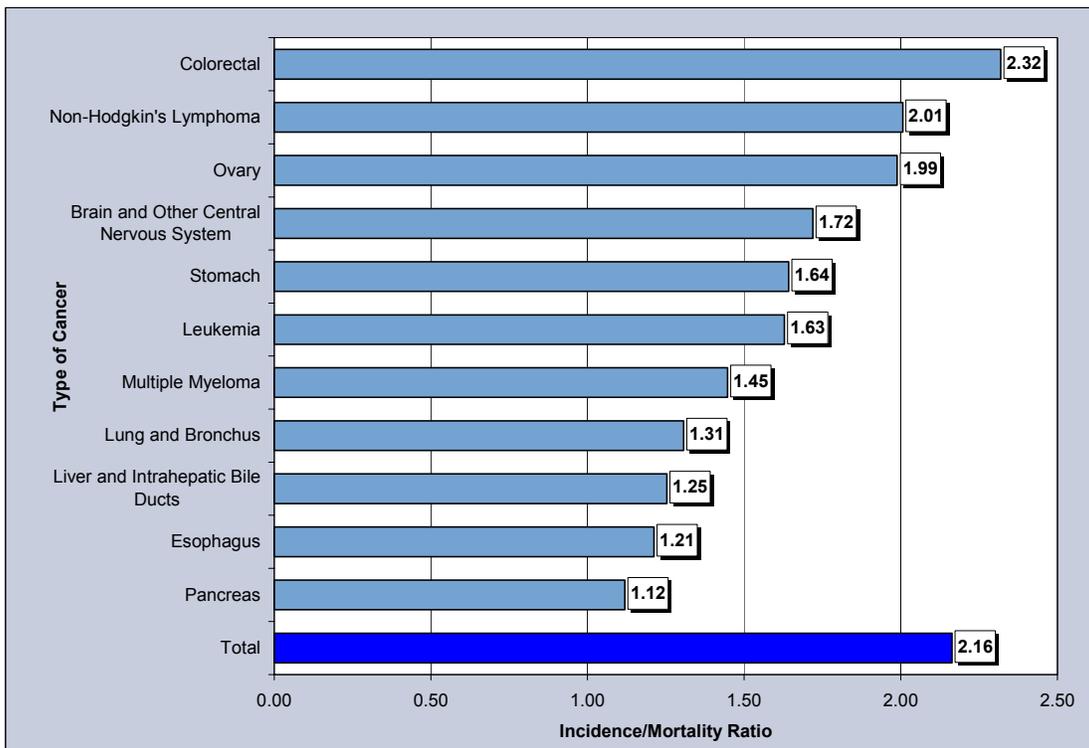


Table 1. Nevada Incidence, Inpatient Hospital Discharges and Mortality by Type of Cancer, Nevada, 1996-2000

Type of Cancer	Incidence		Inpatient Discharges		Mortality	
	Number	Rate*	Number	Rate*	Number	Rate*
Total	38,261	449.20	32,109	372.23	16,806	207.63
Lip, Oral Cavity and Pharynx	921	10.40	505	5.65	213	2.52
Lip	46	0.53	9	---	2	---
Base of Tongue	122	1.32	74	0.80	3	---
Other & Unspecified Parts of Tongue	142	1.59	81	0.92	51	0.58
Parotid Gland	58	0.67	42	0.47	12	0.13
Other & Unspecified Major Salivary glands	21	0.24	9	---	2	---
Floor of Mouth	77	0.87	60	0.64	6	---
Gum	18	0.20	24	0.27	2	---
Palate	38	0.42	12	0.14	4	---
Other & Unspecified Parts of Mouth	48	0.58	32	0.37	26	0.32
Nasopharynx	45	0.50	23	0.25	21	0.24
Tonsil	116	1.30	51	0.57	12	0.13
Oropharynx	42	0.48	22	0.23	9	---
Pyriform Sinus	42	0.47	20	0.22	1	---
Hypopharynx	35	0.40	19	0.22	5	---
Other & Unspecified Oral (Buccal) Cavity & Pharynx	71	0.83	27	0.31	57	0.68
Digestive System	7,048	85.81	6,346	76.94	3,818	47.74
Esophagus	444	5.16	293	3.37	368	4.26
Stomach	544	6.84	571	6.89	326	4.16
Small Intestine	98	1.14	128	1.46	22	0.26
Colon (excluding Rectum)	3,091	38.40	2,741	33.99	1,522	19.62
Cecum	622	7.84	531	6.70	10	0.14
Appendix	36	0.41	23	0.27	1	---
Ascending Colon	402	5.10	510	6.41	2	---
Hepatic Flexure	101	1.25	95	1.22	0	---
Transverse Colon	234	2.89	235	2.95	1	---
Splenic Flexure	89	1.07	100	1.24	0	---
Descending Colon	140	1.62	158	1.86	0	---
Sigmoid Colon	871	10.40	786	9.60	10	0.12
Large Intestine, NOS	596	7.83	303	3.74	1,498	19.29
Rectum	718	8.47	616	7.40	187	2.24
Rectosigmoid Junction	424	5.00	559	6.62	63	0.82
Anus, Anal Canal and Anorectum	112	1.25	118	1.39	20	0.23
Liver	429	5.05	301	3.42	323	3.92
Intrahepatic Bile Ducts	72	0.88	37	0.45	65	0.81
Gallbladder	62	0.79	40	0.53	40	0.52
Other & Unspecified Biliary Tract	93	1.19	133	1.68	35	0.47
Pancreas	917	11.14	708	8.58	810	9.95
Retroperitoneum	29	0.34	52	0.58	6	---
Peritoneum, Omentum and Mesentery	8	---	46	0.54	8	---
Other Digestive Organs	7	---	3	---	23	0.30
Respiratory System	7,686	90.21	5,278	60.93	5,548	66.34
Nasal Cavity and Middle Ear	23	0.29	9	---	0	---
Accessory Sinuses	25	0.29	18	0.20	12	0.16
Larynx	371	4.26	226	2.54	136	1.62
Lung and Bronchus	7,162	84.09	4,895	56.53	5,385	64.36
Pleura	87	1.08	61	0.77	8	---
Trachea	5	---	18	0.20	2	---
Mediastinum and Other Respiratory Organs	13	0.15	51	0.59	5	---
Bones, Joints and Articular Cartilage	89	0.99	112	1.26	32	0.40
Bones, Joints & Articular Cartilage of Limbs	43	0.48	50	0.57	0	---
Bones, Joints & Articular Cartilage of Other & Unspec Sites	46	0.52	62	0.69	32	0.40
Soft Tissue (Including Heart)	190	2.20	126	1.47	133	1.56
Heart	1	---	3	---	8	---
Peripheral Nerves & Autonomic Nervous System	4	---	0	---	3	---
Connective, Subcutaneous & Other Soft Tissues	185	2.15	123	1.44	122	1.44

* Rates are per 100,000 population and age-adjusted to the 2000 US Standard population. Gender specific cancers are per 100,000 gender-specific population and age-adjusted to the 2000 US Standard population.

Note: The "----" is used for rates calculated on numbers less than ten. Caution should be used when comparing inpatient hospital discharge data to other data sources, since it is occurrence-based data. Please see Technical Notes for more information.

Table 1. Nevada Incidence, Inpatient Hospital Discharges and Mortality by Type of Cancer, Nevada, 1996-2000 (Continued)

Type of Cancer	Incidence		Inpatient Discharges		Mortality	
	Number	Rate*	Number	Rate*	Number	Rate*
Total	38,261	449.20	32,109	372.23	16,806	207.63
Skin (Excluding Basal And Squamous)	994	11.20	234	2.79	322	3.80
Melanomas Of The Skin	875	9.80	71	0.82	249	2.86
Other Non-Epithelial Skin	119	1.40	163	1.97	73	0.94
Breast	5,643	64.83	2,542	29.21	1,139	14.11
Female Genital System*	2,246	49.88	2,285	50.47	661	15.24
Cervix Uteri*	497	10.89	611	13.30	133	3.01
Corpus Uteri*	800	17.67	828	18.27	55	1.27
Uterus, NOS*	50	1.14	25	0.58	76	1.79
Ovary*	741	16.56	635	14.08	361	8.33
Vagina*	41	0.93	52	1.16	9	---
Vulva*	102	2.37	105	2.48	15	0.38
Placenta*	1	---	1	---	1	---
Other Female Genital Organs*	14	0.30	28	0.59	11	0.25
Male Genital System*	4,831	119.56	2,521	58.82	901	29.58
Prostate*	4,572	114.17	2,450	57.26	883	29.19
Testis*	231	4.70	56	1.14	15	0.32
Penis*	17	0.42	11	0.35	3	---
Other Male Genital Organs*	11	0.27	4	---	0	---
Urinary System	2,924	34.80	1,908	22.60	724	9.15
Urinary Bladder	1,866	22.65	989	12.20	379	5.01
Kidney	913	10.44	748	8.41	320	3.86
Renal Pelvis	82	0.96	94	1.10	6	---
Ureter	46	0.55	60	0.70	13	0.15
Other Urinary Organs	17	0.20	17	0.18	6	---
Eye and Orbit	41	0.44	7	---	5	---
Brain and Other Central Nervous System	560	6.41	728	8.11	320	3.73
Brain	524	5.99	680	7.58	318	3.71
Meninges	17	0.19	28	0.32	1	---
Spinal Cord, Cranial Nerves, & Other Parts of CNS	19	0.23	20	0.22	1	---
Endocrine System	618	6.66	792	8.46	54	0.65
Thyroid Gland	563	6.05	750	8.01	29	0.37
Adrenal Gland	28	0.31	19	0.20	14	0.16
Other Endocrine (Including Thymus)	27	0.30	23	0.25	11	0.12
Hodgkin's Lymphoma	187	2.01	116	1.25	39	0.44
Non-Hodgkin's Lymphoma	1,252	14.75	966	11.31	587	7.35
Multiple Myeloma	337	4.04	320	3.69	229	2.79
Leukemia	973	11.70	1,040	11.99	568	7.18
Lymphocytic	371	4.43	425	4.81	145	1.89
Acute Lymphocytic	106	1.12	262	2.79	24	0.26
Chronic Lymphocytic	250	3.13	160	1.98	109	1.45
Other Lymphocytic	15	0.18	3	---	12	0.18
Granulocytic (Myeloid)	413	4.86	526	6.11	233	2.87
Acute Myeloid	288	3.35	422	4.86	163	1.98
Chronic Myeloid	112	1.36	104	1.25	54	0.69
Other Myeloid	13	0.15	0	---	16	0.20
Monocytic	31	0.37	9	---	4	---
Acute Monocytic	22	0.25	9	---	2	---
Chronic Monocytic	7	---	0	---	1	---
Other Monocytic	2	---	0	---	1	---
Other	158	2.04	80	0.96	186	2.37
Other Acute	55	0.71	53	0.64	88	1.07
Other Chronic	14	0.21	8	---	8	---
Aleukemic, Subleukemic and NOS	89	1.12	19	0.22	90	1.17
Other, Ill-Defined and Unspecified Sites	1,721	21.23	6,283	72.60	1,513	19.28

* Rates are per 100,000 population and age-adjusted to the 2000 US Standard population. Gender specific cancers are per 100,000 gender-specific population and age-adjusted to the 2000 US Standard population.

Note: The "----" is used for rates calculated on numbers less than ten. Caution should be used when comparing inpatient hospital discharge data to other data sources, since it is occurrence-based data. Please see Technical Notes for more information.

Table 2. Leading Types of Cancer for Nevada Incidence, Inpatient Hospital Discharges and Mortality, Nevada Residents, 1996-2000

Type of Cancer	Incidence		Hospital Admissions		Mortality	
	Number	Percent	Number	Percent	Number	Percent
Lung and Bronchus	7,162	18.7%	4,895	15.2%	5,385	32.0%
Breast	5,643	14.7%	4,034	12.6%	1,792	10.7%
Prostate	4,572	11.9%	2,542	7.9%	1,139	6.8%
Colorectal	4,345	11.4%	2,450	7.6%	883	5.3%
Urinary Bladder	1,866	4.9%	1,040	3.2%	810	4.8%
Non-Hodgkin's Lymphoma	1,252	3.3%	989	3.1%	587	3.5%
Kidney and Renal Pelvis	995	2.6%	966	3.0%	568	3.4%
Leukemia	973	2.5%	853	2.7%	388	2.3%
Lip, Oral Cavity and Pharynx	921	2.4%	842	2.6%	379	2.3%
Pancreas	917	2.4%	750	2.3%	368	2.2%
Skin	875	2.3%	728	2.3%	361	2.1%
Corpus Uteri & Uterus NOS	850	2.2%	708	2.2%	326	1.9%
Ovary	741	1.9%	635	2.0%	326	1.9%
Thyroid Gland	563	1.5%	611	1.9%	320	1.9%
Brain and Other Central Nervous System	560	1.5%	571	1.8%	249	1.5%
Stomach	544	1.4%	505	1.6%	229	1.4%
Liver and Intrahepatic Bile Ducts	501	1.3%	338	1.1%	213	1.3%
Cervix Uteri	497	1.3%	320	1.0%	136	0.8%
Esophagus	444	1.2%	293	0.9%	133	0.8%
Larynx	371	1.0%	226	0.7%	131	0.8%
Multiple Myeloma	337	0.9%	116	0.4%	39	0.2%
Hodgkin's Lymphoma	187	0.5%	71	0.2%	29	0.2%
All Other Sites	3,145	8.2%	7,626	23.8%	2,015	12.0%
Total	38,261	100.0%	32,109	100.0%	16,806	100.0%

Note: Caution should be used when comparing inpatient hospital discharge data to other data sources, since it is occurrence-based data. Please see Technical Notes for more information.

Table 3. Top Ten Types of Cancer by Gender, Incidence, Hospital Discharges, and Mortality, Nevada Residents, 1996-2000

Ranking	Total								
	Incidence			Hospital Admissions			Mortality		
	Type	Number	Percent	Type	Number	Percent	Type	Number	Percent
1	Lung and Bronchus	7,162	18.7%	Lung and Bronchus	4,895	15.2%	Lung and Bronchus	5,385	32.0%
2	Breast	5,643	14.7%	Colorectal	4,034	12.6%	Colorectal	1,792	10.7%
3	Prostate	4,572	11.9%	Breast	2,542	7.9%	Breast	1,139	6.8%
4	Colorectal	4,345	11.4%	Prostate	2,450	7.6%	Prostate	883	5.3%
5	Urinary Bladder	1,866	4.9%	Leukemia	1,040	3.2%	Pancreas	810	4.8%
6	Non-Hodgkin's Lymphoma	1,252	3.3%	Urinary Bladder	989	3.1%	Non-Hodgkin's Lymphoma	587	3.5%
7	Kidney and Renal Pelvis	995	2.6%	Non-Hodgkin's Lymphoma	966	3.0%	Leukemia	568	3.4%
8	Leukemia	973	2.5%	Corpus Uteri & Uterus NOS	853	2.7%	Liver and Intrahepatic Bile Ducts	388	2.3%
9	Lip, Oral Cavity and Pharynx	921	2.4%	Kidney and Renal Pelvis	842	2.6%	Urinary Bladder	379	2.3%
10	Pancreas	917	2.4%	Thyroid Gland	750	2.3%	Esophagus	368	2.2%
	Total of Top 10	28,646	74.9%	Total of Top 10	19,361	60.3%	Total of Top 10	12,299	73.2%
-	Total	38,261	100.0%	Total	32,109	100.0%	Total	16,806	100.0%

Ranking	Male								
	Incidence			Hospital Admissions			Mortality		
	Type	Number	Percent	Type	Number	Percent	Type	Number	Percent
1	Prostate	4,572	23.0%	Lung and Bronchus	2,592	16.5%	Lung and Bronchus	3,032	33.1%
2	Lung and Bronchus	3,947	19.8%	Prostate	2,450	15.6%	Colorectal	1,011	11.0%
3	Colorectal	2,343	11.8%	Colorectal	2,095	13.3%	Prostate	883	9.6%
4	Urinary Bladder	1,414	7.1%	Urinary Bladder	740	4.7%	Pancreas	420	4.6%
5	Non-Hodgkin's Lymphoma	716	3.6%	Leukemia	609	3.9%	Non-Hodgkin's Lymphoma	340	3.7%
6	Kidney and Renal Pelvis	641	3.2%	Non-Hodgkin's Lymphoma	553	3.5%	Leukemia	330	3.6%
7	Lip, Oral Cavity and Pharynx	625	3.1%	Kidney and Renal Pelvis	540	3.4%	Esophagus	288	3.1%
8	Leukemia	568	2.9%	Brain and Other Central Nervous	426	2.7%	Urinary Bladder	268	2.9%
9	Skin	526	2.6%	Stomach	389	2.5%	Liver and Intrahepatic Bile Ducts	257	2.8%
10	Pancreas	471	2.4%	Pancreas	360	2.3%	Kidney and Renal Pelvis	227	2.5%
	Total of Top 10	15,823	79.5%	Total of Top 10	10,754	68.4%	Total of Top 10	7,056	76.9%
-	Total	19,907	100.0%	Total	15,724	100.0%	Total	9,173	100.0%

Ranking	Female								
	Incidence			Hospital Admissions			Mortality		
	Type	Number	Percent	Type	Number	Percent	Type	Number	Percent
1	Breast	5,582	30.4%	Breast	2,524	15.4%	Lung and Bronchus	2,353	30.8%
2	Lung and Bronchus	3,214	17.5%	Lung and Bronchus	2,303	14.1%	Breast	1,128	14.8%
3	Colorectal	2,000	10.9%	Colorectal	1,939	11.8%	Colorectal	781	10.2%
4	Corpus Uteri & Uterus NOS	850	4.6%	Corpus Uteri & Uterus NOS	853	5.2%	Pancreas	390	5.1%
5	Ovary	741	4.0%	Ovary	635	3.9%	Ovary	361	4.7%
6	Non-Hodgkin's Lymphoma	535	2.9%	Cervix Uteri	611	3.7%	Non-Hodgkin's Lymphoma	247	3.2%
7	Cervix Uteri	497	2.7%	Thyroid Gland	583	3.6%	Leukemia	238	3.1%
8	Urinary Bladder	452	2.5%	Leukemia	431	2.6%	Cervix Uteri	133	1.7%
9	Pancreas	446	2.4%	Non-Hodgkin's Lymphoma	413	2.5%	Liver and Intrahepatic Bile Ducts	131	1.7%
10	Thyroid Gland	434	2.4%	Pancreas	348	2.1%	Corpus Uteri & Uterus NOS	131	1.7%
	Total of Top 10	14,751	80.4%	Total of Top 10	10,640	64.9%	Total of Top 10	5,893	77.2%
-	Total	18,347	100.0%	Total	16,385	100.0%	Total	7,633	100.0%

Note: Those of other/unknown gender are not listed separately, but are included in the total.

Table 4. Incidence to Mortality Age-Adjusted Rate Ratios for the Leading Types of Cancer, Nevada Residents, 1996-2000

Type of Cancer	Incidence			Mortality			Ratio
	Number	Rate*	95% C.I.	Number	Rate*	95% C.I.	
Lung and Bronchus	7,162	84.1	(82.1-86.1)	5,385	64.4	(62.6-66.2)	1.31
Breast*	5,582	124.3	(121.0-127.6)	1,128	26.1	(24.6-27.7)	4.76
Prostate*	4,572	114.2	(110.6-117.8)	883	29.2	(27.1-31.5)	3.91
Colorectal	4,345	53.1	(51.5-54.8)	1,792	22.9	(21.8-24.0)	2.32
Urinary Bladder	1,866	22.6	(21.6-23.7)	379	5.0	(4.5-5.6)	4.52
Non-Hodgkin's Lymphoma	1,252	14.8	(13.9-15.6)	587	7.4	(6.8-8.0)	2.01
Kidney and Renal Pelvis	995	11.4	(10.7-12.2)	326	3.9	(3.5-4.4)	2.90
Leukemia	973	11.7	(11.0-12.5)	568	7.2	(6.6-7.8)	1.63
Lip, Oral Cavity and Pharynx	921	10.4	(9.7-11.1)	213	2.5	(2.2-2.9)	4.12
Pancreas	917	11.1	(10.4-11.9)	810	10.0	(9.3-10.7)	1.12
Skin	875	9.8	(9.2-10.5)	249	2.9	(2.5-3.3)	3.43
Corpus Uteri & Uterus NOS*	850	18.8	(17.6-20.1)	131	3.1	(2.6-3.6)	6.15
Ovary*	741	16.6	(15.4-17.8)	361	8.3	(7.5-9.3)	1.99
Thyroid Gland	563	6.0	(5.6-6.6)	29	0.4	(0.2-0.5)	16.43
Brain and Other Central Nervous System	560	6.4	(5.9-7.0)	320	3.7	(3.3-4.2)	1.72
Stomach	544	6.8	(6.3-7.5)	326	4.2	(3.7-4.7)	1.64
Liver and Intrahepatic Bile Ducts	501	5.9	(5.4-6.5)	388	4.7	(4.3-5.3)	1.25
Cervix Uteri*	497	10.9	(9.9-11.9)	133	3.0	(2.5-3.6)	3.62
Esophagus	444	5.2	(4.7-5.7)	368	4.3	(3.8-4.7)	1.21
Larynx	371	4.3	(3.8-4.7)	136	1.6	(1.4-1.9)	2.63
Multiple Myeloma	337	4.0	(3.6-4.5)	229	2.8	(2.4-3.2)	1.45
Hodgkin's Lymphoma	187	2.0	(1.7-2.3)	39	0.4	(0.3-0.6)	4.59
All Other Sites	3,145	37.8	(36.4-39.1)	2,015	25.5	(24.3-26.7)	1.48
Total	38,261	449.2	(444.6-453.9)	16,806	207.6	(204.4-210.9)	2.16

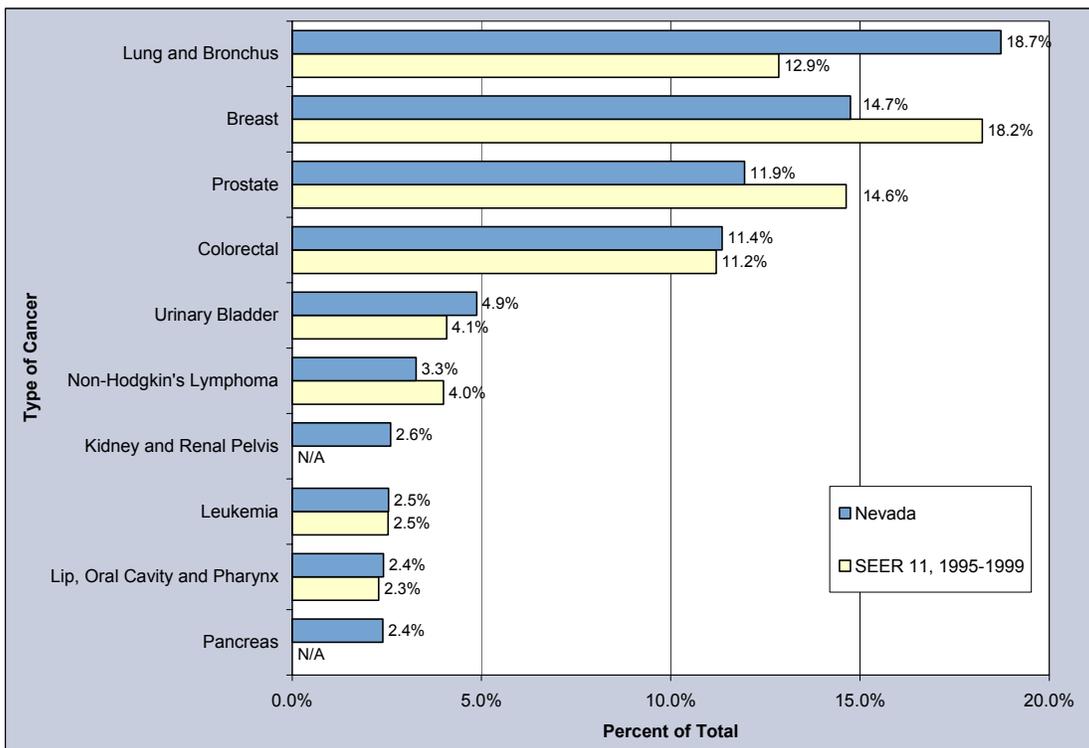
* Rates are per 100,000 population and age-adjusted to the 2000 US Standard population. Gender specific cancers are per 100,000 gender-specific population and age-adjusted to the 2000 US Standard population.

INCIDENCE

HIGHLIGHTS

- Lung and Bronchus Cancer was the leading type of cancer in Nevada from 1996 to 2000. This type of cancer accounted for 18.7% of all resident cancer cases during this period. The second leading type, Breast Cancer, accounted for 14.7% of all cancer incidence.
- When compared to National (1995-1999) incidence, Nevada had a much higher percentage of Lung and Bronchus Cancer, 18.7% vs 12.9%, and a considerably lower percentage of Breast Cancer cases, 14.7% vs 18.2% during the 1996-2000 period.
- While Blacks had the highest ratio of the remaining racial/ethnic groups when compared to the age-adjusted cancer incidence rates for Whites, their ratio was still at 0.87. This means that for every 100 White cancer cases Blacks would be expected to have 87 cases. Asians, Hispanics and Native Americans had comparison ratios of 0.52, 0.42 and 0.39, respectively, for Nevada from 1996 to 2000.
- Multiple Myeloma had the highest age-adjusted incidence comparison ratio for Blacks when compared to Whites in Nevada from 1996 to 2000 with a comparison ratio of 1.72. This means that for every 100 White Multiple Myeloma cases Blacks would be expected to have 172 cases. The type with the highest comparison ratio for Asians and Hispanics was Liver and Intrahepatic Bile Ducts, with ratios of 2.99 and 1.51, respectively. Stomach Cancer had the highest comparison ratio for Native Americans when compared to Whites with a ratio of 1.34.
- Skin Cancer had the lowest age-adjusted incidence comparison ratio for Asians, Blacks and Hispanics, when compared to Whites, in Nevada from 1996 to 2000 with ratios of 0.03, 0.09 and 0.17. This means that for every 100 White cancer cases Asians, Blacks and Hispanics would be expected to have 3, 9 and 17 cases, respectively, of Skin Cancer. The type of Cancer with the lowest comparison ratio for Native Americans was Urinary Bladder with a ratio of 0.08 during this period.
- Hodgkin's Lymphoma had the lowest median age at time of diagnosis for Nevada residents from 1996 to 2000 at 40 years. The median age for females diagnosed with Hodgkin's Lymphoma was 37 years, while for males it was 43 years.
- Stomach Cancer had the highest median age at time of diagnosis for Nevada residents during the 1996 to 2000 period at 71 years. The median age for females diagnosed with Stomach Cancer was 72 years, while for males it was 70 years, which was a tie with the median age at diagnosis of Urinary Bladder Cancer for males during this period.

Figure 4. Top Ten Leading Cancers as a Percentage of Total Cases, Nevada (1996-2000) and SEER-11 (1995-1999)



Note: "N/A" indicates that this type of Cancer was not in the Top Ten for the SEER region.

Figure 5. Comparison of Age-Adjusted (2000) Incidence Rates of Blacks compared to Whites, Nevada Residents, 1996-2000

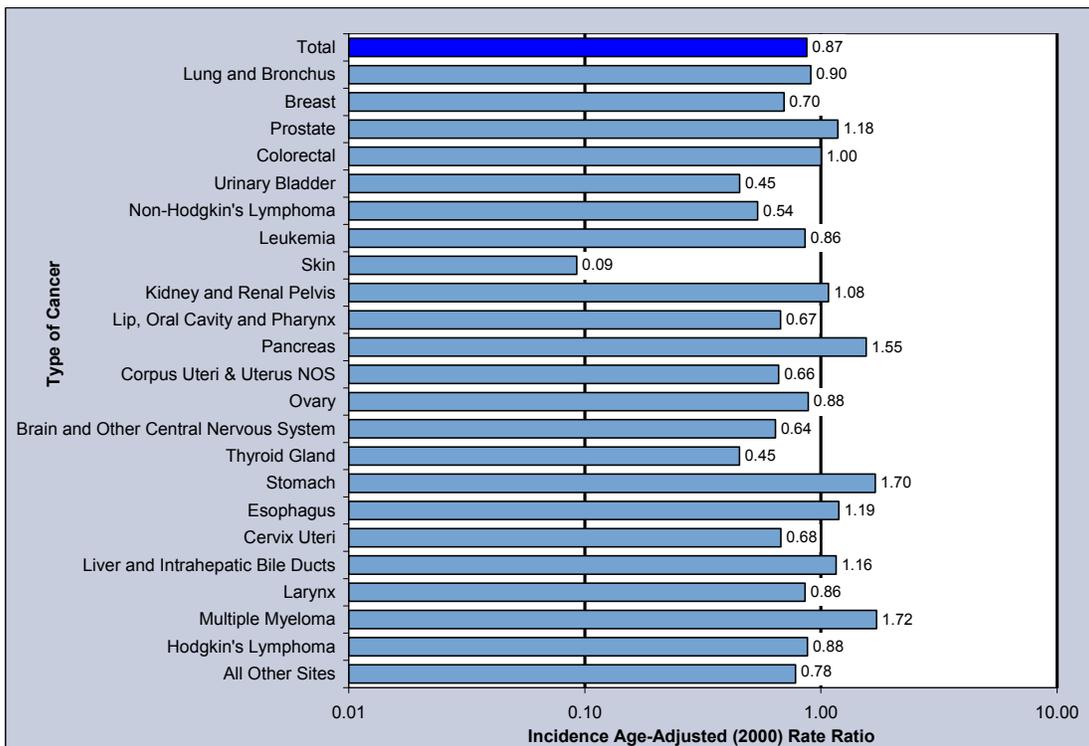
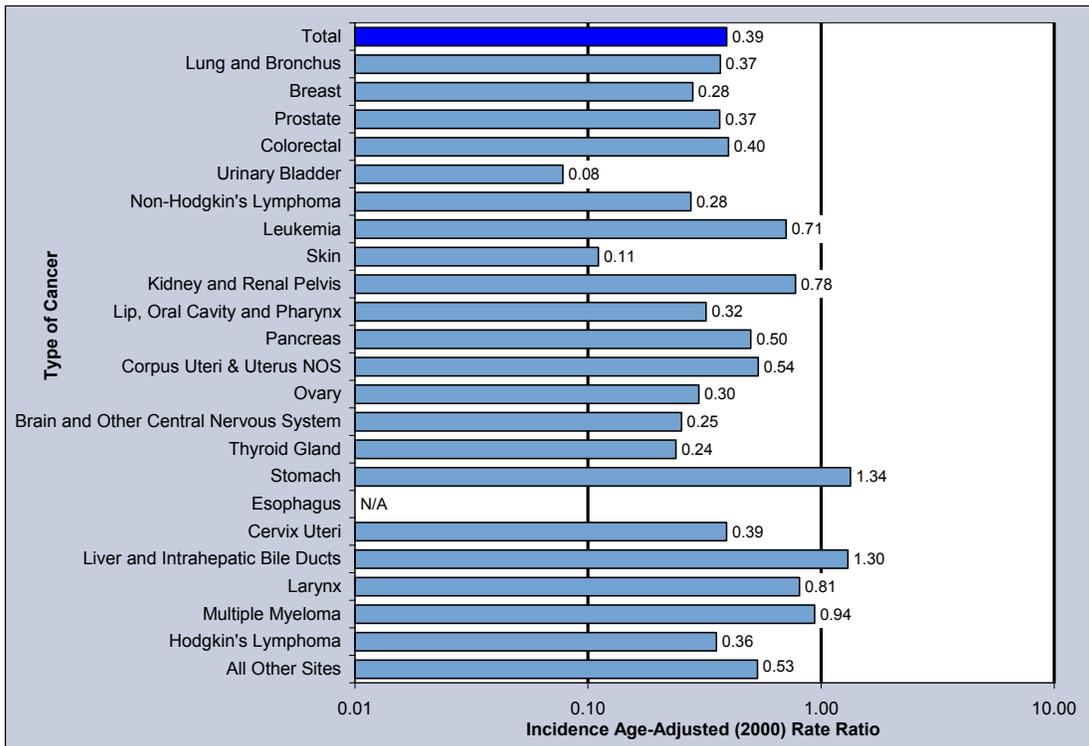


Figure 6. Comparison of Age-Adjusted (2000) Incidence Rates of Native Americans compared to Whites, Nevada Residents, 1996-2000



Note: "N/A" indicates that a comparison ratio could not be calculated.

Figure 7. Comparison of Age-Adjusted (2000) Incidence Rates of Asians compared to Whites, Nevada Residents, 1996-2000

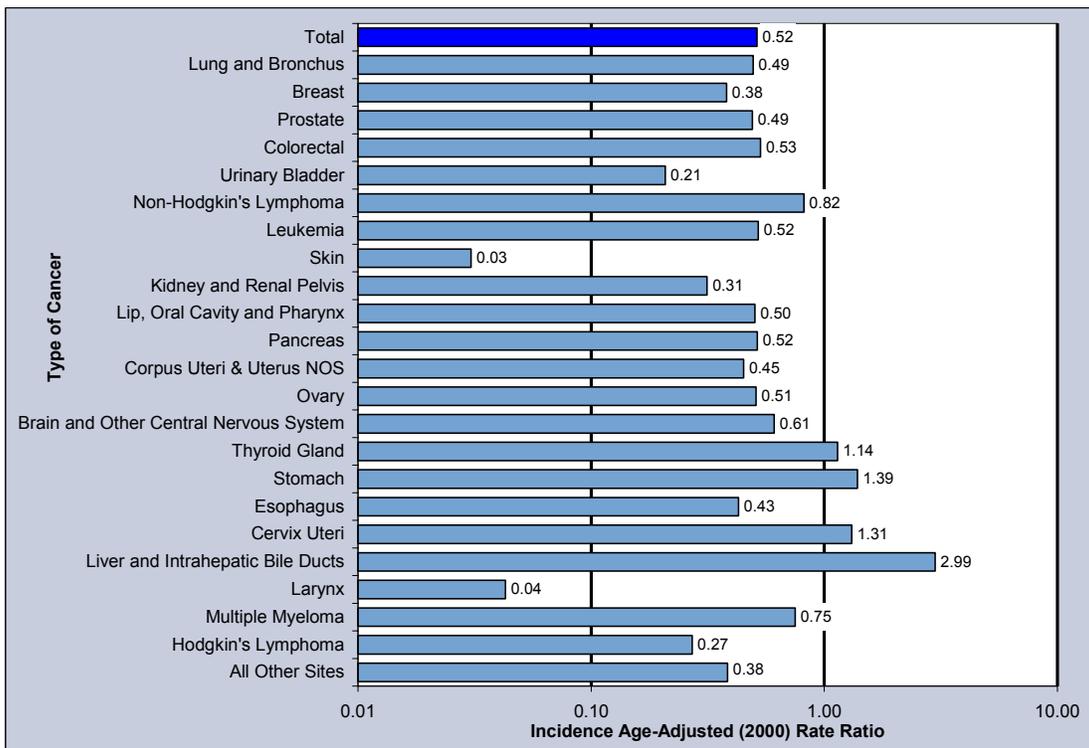


Figure 8. Comparison of Age-Adjusted (2000) Incidence Rates of Hispanics compared to Whites, Nevada Residents, 1996-2000

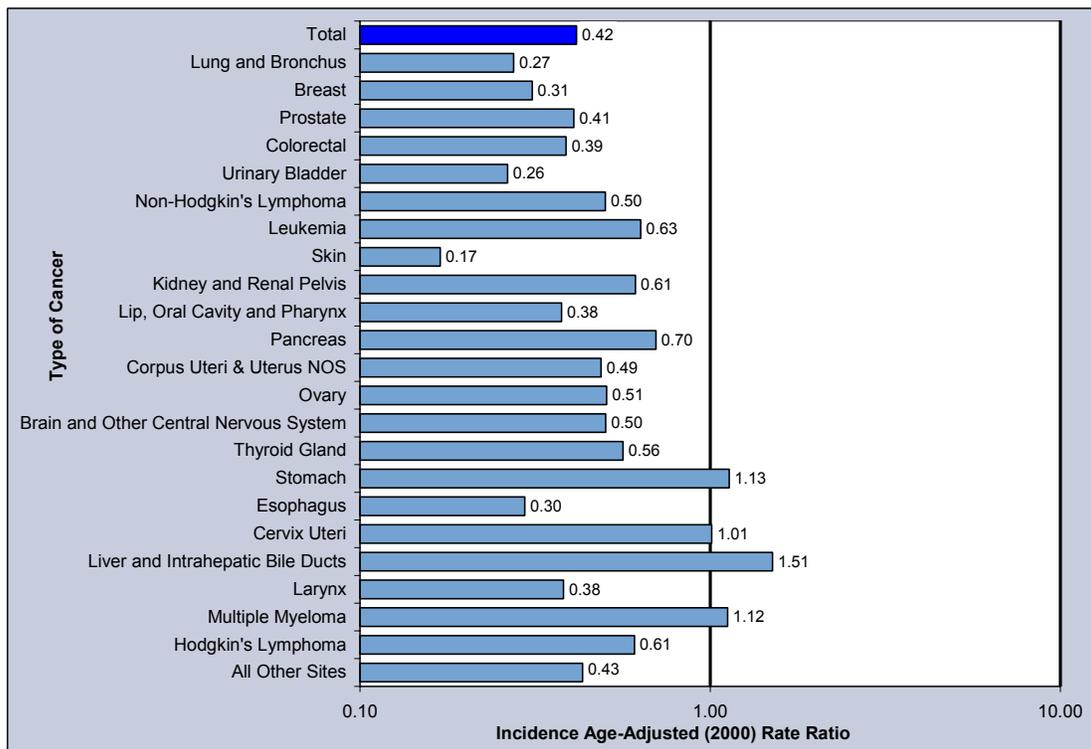


Table 5. Nevada Incidence by Type of Cancer, Nevada (1996-2000) and SEER-11 (1995-1999)

Type of Cancer	Incidence (1996-2000)			SEER-11 (1995-1999)		
	Number	Rate*	95% C.I.	Number	Rate*	95% C.I.
Total	38,261	449.20	(444.6-453.9)	815,121	483.42	(482.4-484.5)
Lip, Oral Cavity and Pharynx	921	10.40	(9.7-11.1)	18,648	11.04	(10.9-11.2)
Lip	46	0.53	(0.4-0.7)	1,789	1.06	(1.0-1.1)
Base of Tongue	122	1.32	(1.1-1.6)	1,855	1.11	(1.1-1.2)
Other & Unspecified Parts of Tongue	142	1.59	(1.3-1.9)	2,400	1.42	(1.4-1.5)
Parotid Gland	58	0.67	(0.5-0.9)	1,594	0.93	(0.9-1.0)
Other & Unspecified Major Salivary glands	21	0.24	(0.1-0.4)	441	0.26	(0.2-0.3)
Floor of Mouth	77	0.87	(0.7-1.1)	1,513	0.91	(0.9-1.0)
Gum	18	0.20	(0.1-0.3)	736	0.44	(0.4-0.5)
Palate	38	0.42	(0.3-0.6)	1,127	0.66	(0.6-0.7)
Other & Unspecified Parts of Mouth	48	0.58	(0.4-0.8)	1,207	0.72	(0.7-0.8)
Nasopharynx	45	0.50	(0.4-0.7)	1,331	0.77	(0.7-0.8)
Tonsil	116	1.30	(1.1-1.6)	2,064	1.23	(1.2-1.3)
Oropharynx	42	0.48	(0.3-0.7)	529	0.32	(0.3-0.3)
Pyramiform Sinus	42	0.47	(0.3-0.6)	978	0.59	(0.5-0.6)
Hypopharynx	35	0.40	(0.3-0.6)	552	0.33	(0.3-0.4)
Other & Unspecified Oral (Buccal) Cavity & Pharynx	71	0.83	(0.6-1.1)	532	0.32	(0.3-0.3)
Digestive System	7,048	85.81	(83.8-87.9)	151,274	90.82	(90.4-91.3)
Esophagus	444	5.16	(4.7-5.7)	7,483	4.49	(4.4-4.6)
Stomach	544	6.84	(6.3-7.5)	15,187	9.10	(9.0-9.2)
Small Intestine	98	1.14	(0.9-1.4)	2,753	1.64	(1.6-1.7)
Colon (excluding Rectum)	3,091	38.40	(37.0-39.8)	64,345	38.75	(38.5-39.1)
Cecum	622	7.84	(7.2-8.5)	14,990	9.05	(8.9-9.2)
Appendix	36	0.41	(0.3-0.6)	714	0.42	(0.4-0.4)
Ascending Colon	402	5.10	(4.6-5.6)	9,862	5.95	(5.8-6.1)
Hepatic Flexure	101	1.25	(1.0-1.5)	3,655	2.21	(2.1-2.3)
Transverse Colon	234	2.89	(2.5-3.3)	5,972	3.60	(3.5-3.7)
Splenic Flexure	89	1.07	(0.9-1.3)	2,483	1.49	(1.4-1.6)
Descending Colon	140	1.62	(1.4-1.9)	3,907	2.34	(2.3-2.4)
Sigmoid Colon	871	10.40	(9.7-11.1)	19,474	11.70	(11.5-11.9)
Large Intestine, NOS	596	7.83	(7.2-8.5)	3,288	1.99	(1.9-2.1)
Rectum	718	8.47	(7.8-9.1)	16,598	9.93	(9.8-10.1)
Rectosigmoid Junction	424	5.00	(4.5-5.5)	8,180	4.91	(4.8-5.0)
Anus, Anal Canal and Anorectum	112	1.25	(1.0-1.5)	2,189	1.29	(1.2-1.3)
Liver	429	5.05	(4.6-5.6)	8,044	4.79	(4.7-4.9)
Intrahepatic Bile Ducts	72	0.88	(0.7-1.1)	1,460	0.88	(0.8-0.9)
Gallbladder	62	0.79	(0.6-1.0)	2,064	1.24	(1.2-1.3)
Other & Unspecified Biliary Tract	93	1.19	(1.0-1.5)	2,372	1.43	(1.4-1.5)
Pancreas	917	11.14	(10.4-11.9)	18,152	10.93	(10.8-11.1)
Retroperitoneum	29	0.34	(0.2-0.5)	737	0.43	(0.4-0.5)
Peritoneum, Omentum and Mesentery	8	---	---	1,033	0.61	(0.6-0.7)
Other Digestive Organs	7	---	---	677	0.41	(0.4-0.4)
Respiratory System	7,686	90.21	(88.2-92.3)	114,569	68.69	(68.3-69.1)
Nasal Cavity and Middle Ear	23	0.29	(0.2-0.4)	563	0.33	(0.3-0.4)
Accessory Sinuses	25	0.29	(0.2-0.4)	621	0.37	(0.3-0.4)
Larynx	371	4.26	(3.8-4.7)	6,718	4.02	(3.9-4.1)
Lung and Bronchus	7,162	84.09	(82.1-86.1)	104,761	62.85	(62.5-63.2)
Pleura	87	1.08	(0.9-1.3)	1,529	0.92	(0.9-1.0)
Trachea	5	---	---	117	0.07	(0.1-0.1)
Mediastinum and Other Respiratory Organs	13	0.15	(0.1-0.3)	260	0.14	(0.1-0.2)
Bones, Joints and Articular Cartilage	89	0.99	(0.8-1.2)	1,618	0.90	(0.9-0.9)
Bones, Joints & Articular Cartilage of Limbs	43	0.48	(0.3-0.7)	866	0.48	(0.4-0.5)
Bones, Joints & Articular Cartilage of Other & Unspec Sites	46	0.52	(0.4-0.7)	752	0.42	(0.4-0.5)
Soft Tissue (Including Heart)	190	2.20	(1.9-2.6)	4,924	2.81	(2.7-2.9)
Heart	1	---	---	48	0.03	(0.0-0.0)
Peripheral Nerves & Autonomic Nervous System	4	---	---	281	0.15	(0.1-0.2)
Connective, Subcutaneous & Other Soft Tissues	185	2.15	(1.8-2.5)	4,595	2.63	(2.6-2.7)

* Rates are per 100,000 population and age-adjusted to the 2000 US Standard population. Gender specific cancers are per 100,000 gender-specific population and age-adjusted to the 2000 US Standard population.

Note: The “---” is used for rates calculated on numbers less than ten.

Table 5. Nevada Incidence by Type of Cancer, Nevada (1996-2000) and SEER-11 (1995-1999) (Continued)

Type of Cancer	Incidence			SEER-11 (1995-1999)		
	Number	Rate*	95% C.I.	Number	Rate*	95% C.I.
Total	38,261	449.2	(444.6-453.9)	815,121	483.42	(482.4-484.5)
Skin (Excluding Basal And Squamous)	994	11.20	(10.5-11.9)	34,077	19.53	(19.3-19.7)
Melanomas Of The Skin	875	9.80	(9.2-10.5)	28,292	16.31	(16.1-16.5)
Other Non-Epithelial Skin	119	1.40	(1.2-1.7)	5,785	3.22	(3.1-3.3)
Breast*	5,582	124.31	(121.0-127.6)	147,688	161.28	(160.5-162.1)
Female Genital System*	2,246	49.88	(47.8-52.0)	50,905	55.03	(54.5-55.5)
Cervix Uteri*	497	10.89	(9.9-11.9)	9,206	9.83	(9.6-10.0)
Corpus Uteri*	800	17.67	(16.5-19.0)	22,211	24.26	(23.9-24.6)
Uterus, NOS*	50	1.14	(0.8-1.5)	423	0.44	(0.4-0.5)
Ovary*	741	16.56	(15.4-17.8)	15,611	16.84	(16.6-17.1)
Vagina*	41	0.93	(0.7-1.3)	657	0.70	(0.6-0.8)
Vulva*	102	2.37	(1.9-2.9)	2,117	2.22	(2.1-2.3)
Placenta*	1	---	---	86	0.09	(0.1-0.1)
Other Female Genital Organs*	14	0.30	(0.2-0.5)	594	0.64	(0.6-0.7)
Male Genital System*	4,831	119.56	(116.0-123.3)	125,029	171.72	(170.8-172.7)
Prostate*	4,572	114.17	(110.6-117.8)	119,272	165.54	(164.6-166.5)
Testis*	231	4.70	(4.1-5.4)	4,967	5.08	(4.9-5.2)
Penis*	17	0.42	(0.2-0.8)	529	0.74	(0.7-0.8)
Other Male Genital Organs*	11	0.27	(0.1-0.6)	261	0.35	(0.3-0.4)
Urinary System	2,924	34.80	(33.5-36.1)	0	---	---
Urinary Bladder	1,866	22.65	(21.6-23.7)	33,284	20.01	(19.8-20.2)
Kidney	913	10.44	(9.8-11.2)	16,592	9.85	(9.7-10.0)
Renal Pelvis	82	0.96	(0.8-1.2)	1,558	0.94	(0.9-1.0)
Ureter	46	0.55	(0.4-0.8)	877	0.53	(0.5-0.6)
Other Urinary Organs	17	0.20	(0.1-0.3)	578	0.35	(0.3-0.4)
Eye and Orbit	41	0.44	(0.3-0.6)	1,376	0.79	(0.7-0.8)
Brain and Other Central Nervous System	560	6.41	(5.9-7.0)	11,214	6.41	(6.3-6.5)
Brain	524	5.99	(5.5-6.5)	10,541	6.03	(5.9-6.1)
Meninges	17	0.19	(0.1-0.3)	190	0.11	(0.1-0.1)
Spinal Cord, Cranial Nerves, & Other Parts of CNS	19	0.23	(0.1-0.4)	483	0.27	(0.2-0.3)
Endocrine System	618	6.66	(6.1-7.2)	13,034	7.22	(7.1-7.3)
Thyroid Gland	563	6.05	(5.6-6.6)	11,885	6.58	(6.5-6.7)
Adrenal Gland	28	0.31	(0.2-0.5)	513	0.28	(0.3-0.3)
Other Endocrine (Including Thymus)	27	0.30	(0.2-0.5)	636	0.36	(0.3-0.4)
Hodgkin's Lymphoma	187	2.01	(1.7-2.3)	5,019	2.71	(2.6-2.8)
Non-Hodgkin's Lymphoma	1,252	14.75	(13.9-15.6)	32,597	19.13	(18.9-19.3)
Multiple Myeloma	337	4.04	(3.6-4.5)	9,106	5.47	(5.4-5.6)
Leukemia	973	11.70	(11.0-12.5)	20,646	12.06	(11.9-12.2)
Lymphocytic	371	4.43	(4.0-4.9)	8,924	5.18	(5.1-5.3)
Acute Lymphocytic	106	1.12	(0.9-1.4)	2,830	1.51	(1.5-1.6)
Chronic Lymphocytic	250	3.13	(2.7-3.6)	5,798	3.49	(3.4-3.6)
Other Lymphocytic	15	0.18	(0.1-0.3)	296	0.18	(0.2-0.2)
Granulocytic (Myeloid)	413	4.86	(4.4-5.4)	9,175	5.36	(5.3-5.5)
Acute Myeloid	288	3.35	(3.0-3.8)	6,141	3.59	(3.5-3.7)
Chronic Myeloid	112	1.36	(1.1-1.7)	2,871	1.68	(1.6-1.7)
Other Myeloid	13	0.15	(0.1-0.3)	163	0.10	(0.1-0.1)
Monocytic	31	0.37	(0.2-0.5)	439	0.26	(0.2-0.3)
Acute Monocytic	22	0.25	(0.2-0.4)	407	0.24	(0.2-0.3)
Chronic Monocytic	7	---	---	18	0.01	(0.0-0.0)
Other Monocytic	2	---	---	14	0.01	(0.0-0.0)
Other	158	2.04	(1.7-2.4)	2,108	1.26	(1.2-1.3)
Other Acute	55	0.71	(0.5-0.9)	775	0.47	(0.4-0.5)
Other Chronic	14	0.21	(0.1-0.4)	50	0.03	(0.0-0.0)
Aleukemic, Subleukemic and NOS	89	1.12	(0.9-1.4)	1,283	0.76	(0.7-0.8)
Other, Ill-Defined and Unspecified Sites	1,721	21.23	(20.2-22.3)	19,585	11.78	(11.6-11.9)

* Rates are per 100,000 population and age-adjusted to the 2000 US Standard population. Gender specific cancers are per 100,000 gender-specific population and age-adjusted to the 2000 US Standard population.

Note: The "----" is used for rates calculated on numbers less than ten.

**Table 6. Nevada Incidence by Type of Cancer and Gender,
Nevada, 1996-2000**

Type of Cancer	Total*		Male		Female	
	Number	Rate**	Number	Rate**	Number	Rate**
Total	38,261	449.20	19,907	497.35	18,347	414.03
Lip, Oral Cavity and Pharynx	921	10.40	625	14.51	296	6.60
Lip	46	0.53	42	1.01	4	---
Base of Tongue	122	1.32	93	2.06	29	0.62
Other & Unspecified Parts of Tongue	142	1.59	92	2.15	50	1.10
Parotid Gland	58	0.67	39	0.97	19	0.42
Other & Unspecified Major Salivary glands	21	0.24	11	0.28	10	0.22
Floor of Mouth	77	0.87	46	1.00	31	0.71
Gum	18	0.20	7	---	11	0.24
Palate	38	0.42	18	0.39	20	0.44
Other & Unspecified Parts of Mouth	48	0.58	25	0.60	23	0.54
Nasopharynx	45	0.50	35	0.77	10	0.22
Tonsil	116	1.30	85	1.94	31	0.69
Oropharynx	42	0.48	31	0.80	11	0.23
Pyramiform Sinus	42	0.47	32	0.69	10	0.23
Hypopharynx	35	0.40	24	0.53	11	0.26
Other & Unspecified Oral (Buccal) Cavity & Pharynx	71	0.83	45	1.15	26	0.58
Digestive System	7,048	85.81	4,005	102.86	3,041	70.81
Esophagus	444	5.16	344	8.40	100	2.27
Stomach	544	6.84	353	9.44	191	4.59
Small Intestine	98	1.14	49	1.16	49	1.11
Colon (excluding Rectum)	3,091	38.40	1,641	43.46	1,449	34.06
Cecum	622	7.84	315	8.61	306	7.20
Appendix	36	0.41	20	0.43	16	0.37
Ascending Colon	402	5.10	196	5.19	206	4.93
Hepatic Flexure	101	1.25	52	1.38	49	1.15
Transverse Colon	234	2.89	119	3.11	115	2.69
Splenic Flexure	89	1.07	46	1.26	43	0.97
Descending Colon	140	1.62	72	1.69	68	1.54
Sigmoid Colon	871	10.40	502	12.67	369	8.44
Large Intestine, NOS	596	7.83	319	9.13	277	6.78
Rectum	718	8.47	421	10.44	296	6.73
Rectosigmoid Junction	424	5.00	241	5.90	183	4.18
Anus, Anal Canal and Anorectum	112	1.25	40	0.89	72	1.59
Liver	429	5.05	301	7.24	128	2.96
Intrahepatic Bile Ducts	72	0.88	44	1.17	28	0.65
Gallbladder	62	0.79	17	0.40	45	1.08
Other & Unspecified Biliary Tract	93	1.19	54	1.40	39	0.96
Pancreas	917	11.14	471	12.29	446	10.29
Retroperitoneum	29	0.34	19	0.44	10	0.23
Peritoneum, Omentum and Mesentery	8	---	5	---	3	---
Other Digestive Organs	7	---	5	---	2	---
Respiratory System	7,686	90.21	4,340	108.58	3,345	75.13
Nasal Cavity and Middle Ear	23	0.29	15	0.45	8	---
Accessory Sinuses	25	0.29	14	0.31	11	0.25
Larynx	371	4.26	285	6.73	86	1.96
Lung and Bronchus	7,162	84.09	3,947	98.85	3,214	72.17
Pleura	87	1.08	69	1.99	18	0.39
Trachea	5	---	3	---	2	---
Mediastinum and Other Respiratory Organs	13	0.15	7	---	6	---
Bones, Joints and Articular Cartilage	89	0.99	46	1.02	43	0.97
Bones, Joints & Articular Cartilage of Limbs	43	0.48	19	0.41	24	0.54
Bones, Joints & Articular Cartilage of Other & Unspec Sites	46	0.52	27	0.61	19	0.43
Soft Tissue (Including Heart)	190	2.20	111	2.66	79	1.80
Heart	1	---	0	---	1	---
Peripheral Nerves & Autonomic Nervous System	4	---	2	---	2	---
Connective, Subcutaneous & Other Soft Tissues	185	2.15	109	2.61	76	1.73

* Those of unknown gender are not shown separately, but are included in the total.

** Rates are per 100,000 population and age-adjusted to the 2000 US Standard population. Gender specific cancers are per 100,000 gender-specific population and age-adjusted to the 2000 US Standard population.

Note: The "----" is used for rates calculated on numbers less than ten.

**Table 6. Nevada Incidence by Type of Cancer and Gender,
Nevada, 1996-2000 (Continued)**

Type of Cancer	Total*		Male		Female	
	Number	Rate**	Number	Rate**	Number	Rate**
Total	38,261	449.20	19,907	497.35	18,347	414.03
Skin (Excluding Basal And Squamous)	994	11.20	614	14.29	380	8.42
Melanomas Of The Skin	875	9.80	526	12.12	349	7.71
Other Non-Epithelial Skin	119	1.40	88	2.17	31	0.71
Breast	5,643	64.83	59	1.50	5,582	124.31
Female Genital System	2,246	25.70	0	---	2,246	49.88
Cervix Uteri	497	5.46	0	---	497	10.89
Corpus Uteri	800	9.11	0	---	800	17.67
Uterus, NOS	50	0.61	0	---	50	1.14
Ovary	741	8.60	0	---	741	16.56
Vagina	41	0.49	0	---	41	0.93
Vulva	102	1.27	0	---	102	2.37
Placenta	1	---	0	---	1	---
Other Female Genital Organs	14	0.15	0	---	14	0.30
Male Genital System	4,831	55.82	4,831	119.56	0	---
Prostate	4,572	53.08	4,572	114.17	0	---
Testis	231	2.42	231	4.70	0	---
Penis	17	0.20	17	0.42	0	---
Other Male Genital Organs	11	0.13	11	0.27	0	---
Urinary System	2,924	34.80	2,103	53.71	821	18.72
Urinary Bladder	1,866	22.65	1,414	37.34	452	10.43
Kidney	913	10.44	586	13.74	327	7.35
Renal Pelvis	82	0.96	55	1.39	27	0.60
Ureter	46	0.55	35	0.91	11	0.25
Other Urinary Organs	17	0.20	13	0.32	4	---
Eye and Orbit	41	0.44	26	0.57	15	0.32
Brain and Other Central Nervous System	560	6.41	311	7.28	249	5.60
Brain	524	5.99	292	6.81	232	5.22
Meninges	17	0.19	7	---	10	0.22
Spinal Cord, Cranial Nerves, & Other Parts of CNS	19	0.23	12	0.31	7	---
Endocrine System	618	6.66	160	3.60	458	9.91
Thyroid Gland	563	6.05	129	2.87	434	9.40
Adrenal Gland	28	0.31	14	0.35	14	0.30
Other Endocrine (Including Thymus)	27	0.30	17	0.39	10	0.22
Hodgkin's Lymphoma	187	2.01	106	2.20	81	1.78
Non-Hodgkin's Lymphoma	1,252	14.75	716	17.60	535	12.21
Multiple Myeloma	337	4.04	198	5.11	139	3.17
Leukemia	973	11.70	568	14.19	405	9.41
Lymphocytic	371	4.43	220	5.52	151	3.47
Acute Lymphocytic	106	1.12	59	1.22	47	1.01
Chronic Lymphocytic	250	3.13	151	4.07	99	2.34
Other Lymphocytic	15	0.18	10	0.24	5	---
Granulocytic (Myeloid)	413	4.86	241	5.83	172	3.94
Acute Myeloid	288	3.35	164	3.94	124	2.80
Chronic Myeloid	112	1.36	69	1.70	43	1.02
Other Myeloid	13	0.15	8	---	5	---
Monocytic	31	0.37	15	0.36	16	0.37
Acute Monocytic	22	0.25	11	0.26	11	0.25
Chronic Monocytic	7	---	3	---	4	---
Other Monocytic	2	---	1	---	1	---
Other	158	2.04	92	2.47	66	1.63
Other Acute	55	0.71	36	1.00	19	0.46
Other Chronic	14	0.21	6	---	8	---
Aleukemic, Subleukemic and NOS	89	1.12	50	1.28	39	0.96
Other, Ill-Defined and Unspecified Sites	1,721	21.23	1,088	28.14	632	15.00

* Those of unknown gender are not shown separately, but are included in the total.

** Rates are per 100,000 population and age-adjusted to the 2000 US Standard population. Gender specific cancers are per 100,000 gender-specific population and age-adjusted to the 2000 US Standard population.

Note: The "----" is used for rates calculated on numbers less than ten.

**Table 7. Nevada Incidence by Type of Cancer and Stage of Cancer,
Nevada, 1996-2000**

Type of Cancer	Total	In situ	Localized	Regional	Distant	Unstaged
Total	38,261	1,165	14,320	7,074	7,298	8,404
Lip, Oral Cavity and Pharynx	921	0	296	346	88	191
Lip	46	0	33	6	3	4
Base of Tongue	122	0	21	78	9	14
Other & Unspecified Parts of Tongue	142	0	69	29	12	32
Parotid Gland	58	0	29	16	2	11
Other & Unspecified Major Salivary glands	21	0	7	7	5	2
Floor of Mouth	77	0	35	24	10	8
Gum	18	0	7	6	1	4
Palate	38	0	21	8	4	5
Other & Unspecified Parts of Mouth	48	0	11	16	4	17
Nasopharynx	45	0	5	15	5	20
Tonsil	116	0	23	66	5	22
Oropharynx	42	0	8	9	12	13
Pyriiform Sinus	42	0	7	25	2	8
Hypopharynx	35	0	10	12	3	10
Other & Unspecified Oral (Buccal) Cavity & Pharynx	71	0	10	29	11	21
Digestive System	7,048	0	1,672	2,242	1,497	1,637
Esophagus	444	0	62	105	108	169
Stomach	544	0	78	169	161	136
Small Intestine	98	0	20	34	26	18
Colon (excluding Rectum)	3,091	0	851	1,179	616	445
Cecum	622	0	166	280	144	32
Appendix	36	0	13	12	9	2
Ascending Colon	402	0	127	188	67	20
Hepatic Flexure	101	0	32	46	19	4
Transverse Colon	234	0	66	116	44	8
Splenic Flexure	89	0	30	44	12	3
Descending Colon	140	0	39	55	37	9
Sigmoid Colon	871	0	309	363	164	35
Large Intestine, NOS	596	0	69	75	120	332
Rectum	718	0	263	220	108	127
Rectosigmoid Junction	424	0	127	172	96	29
Anus, Anal Canal and Anorectum	112	0	53	25	14	20
Liver	429	0	82	24	71	252
Intrahepatic Bile Duct	72	0	13	13	12	34
Gallbladder	62	0	18	22	16	6
Other & Unspecified Biliary Tract	93	0	22	29	9	33
Pancreas	917	0	75	246	248	348
Retroperitoneum	29	0	8	4	5	12
Peritoneum, Omentum and Mesentery	8	0	0	0	4	4
Other Digestive Organs	7	0	0	0	3	4
Respiratory System	7,686	0	1,293	1,441	2,573	2,379
Nasal Cavity and Middle Ear	23	0	13	1	3	6
Accessory Sinuses	25	0	7	8	6	4
Larynx	371	0	145	85	27	114
Lung and Bronchus	7,162	0	1,106	1,337	2,522	2,197
Pleura	87	0	18	7	12	50
Trachea	5	0	0	2	1	2
Mediastinum and Other Respiratory Organs	13	0	4	1	2	6
Bones, Joints and Articular Cartilage	89	0	30	12	19	28
Bones, Joints & Articular Cartilage of Limbs	43	0	21	6	9	7
Bones, Joints & Articular Cartilage of Other & Unspec Sites	46	0	9	6	10	21
Soft Tissue (Including Heart)	190	0	80	7	29	74
Heart	1	0	1	0	0	0
Peripheral Nerves & Autonomic Nervous System	4	0	2	0	0	2
Connective, Subcutaneous & Other Soft Tissues	185	0	77	7	29	72

**Table 7. Nevada Incidence by Type of Cancer and Stage of Cancer,
Nevada, 1996-2000 (Continued)**

Type of Cancer	Total	In situ	Localized	Regional	Distant	Unstaged
Total	38,261	1,165	14,320	7,074	7,298	8,404
Skin (Excluding Basal And Squamous)	994	0	647	75	94	178
Melanomas Of The Skin	875	0	588	69	72	146
Other Non-Epithelial Skin	119	0	59	6	22	32
Breast	5,643	743	2,755	1,380	285	480
Female Genital System	2,246	0	1,136	397	482	231
Cervix Uteri	497	0	237	160	48	52
Corpus Uteri	800	0	623	87	49	41
Uterus, NOS	50	0	16	6	10	18
Ovary	741	0	180	106	356	99
Vagina	41	0	17	8	9	7
Vulva	102	0	61	26	4	11
Placenta	1	0	0	0	1	0
Other Female Genital Organs	14	0	2	4	5	3
Male Genital System	4,831	0	3,124	573	284	850
Prostate	4,572	0	2,963	533	248	828
Testis	231	0	146	36	36	13
Penis	17	0	8	3	0	6
Other Male Genital Organs	11	0	7	1	0	3
Urinary System	2,924	422	1,572	307	245	378
Urinary Bladder	1,866	422	1,007	177	66	194
Kidney	913	0	480	95	168	170
Renal Pelvis	82	0	50	24	5	3
Ureter	46	0	27	6	5	8
Other Urinary Organs	17	0	8	5	1	3
Eye and Orbit	41	0	12	0	3	26
Brain and Other Nervous System	560	0	377	13	11	159
Brain	524	0	364	11	10	139
Meninges	17	0	8	1	1	7
Spinal Cord, Cranial Nerves, & Other Parts of CNS	19	0	5	1	0	13
Endocrine System	618	0	395	118	39	66
Thyroid Gland	563	0	379	113	28	43
Adrenal Gland	28	0	5	4	8	11
Other Endocrine (Including Thymus)	27	0	11	1	3	12
Hodgkin's Lymphoma	187	0	72	20	50	45
Non-Hodgkin's Lymphoma	1,252	0	336	110	401	405
Multiple Myeloma	337	0	1	1	298	37
Leukemia	973	0	0	0	858	115
Lymphocytic	371	0	0	0	353	18
Acute Lymphocytic	106	0	0	0	104	2
Chronic Lymphocytic	250	0	0	0	235	15
Other Lymphocytic	15	0	0	0	14	1
Granulocytic (Myeloid)	413	0	0	0	391	22
Acute Myeloid	288	0	0	0	275	13
Chronic Myeloid	112	0	0	0	104	8
Other Myeloid	13	0	0	0	12	1
Monocytic	31	0	0	0	29	2
Acute Monocytic	22	0	0	0	22	0
Chronic Monocytic	7	0	0	0	6	1
Other Monocytic	2	0	0	0	1	1
Other	158	0	0	0	85	73
Other Acute	55	0	0	0	35	20
Other Chronic	14	0	0	0	3	11
Aleukemic, Subleukemic and NOS	89	0	0	0	47	42
Other, Ill-Defined and Unspecified Sites	1,721	0	522	32	42	1,125

Table 8. Top Ten Types of Cancer Incidence by County/Region of Residence, Nevada Residents, 1996-2000

Rank	Type of Cancer		County/Region of Residence			
			Nevada Total	Clark	Washoe	All Other Counties
1	Lung and Bronchus	Incidence	7,162	4,930	1,122	1,108
		Rate*	84.09	87.51	78.23	77.08
		95% C.I.	(82.1-86.1)	(85.0-90.1)	(73.7-83.0)	(72.5-81.9)
2	Breast*	Incidence	5,582	3,572	1,156	853
		Rate*	124.31	119.63	148.07	117.84
		95% C.I.	(121.0-127.6)	(115.7-123.7)	(139.6-156.9)	(110.0-126.1)
3	Prostate*	Incidence	4,572	2,771	969	830
		Rate*	114.17	104.28	144.83	122.72
		95% C.I.	(110.6-117.8)	(100.1-108.7)	(135.4-154.9)	(114.1-132.0)
4	Colorectal	Incidence	4,345	2,965	746	634
		Rate*	53.13	54.69	53.45	46.51
		95% C.I.	(51.5-54.8)	(52.7-56.8)	(49.6-57.5)	(42.9-50.4)
5	Urinary Bladder	Incidence	1,866	1,221	327	318
		Rate*	22.65	22.54	23.15	22.72
		95% C.I.	(21.6-23.7)	(21.2-23.9)	(20.7-25.9)	(20.2-25.5)
6	Non-Hodgkin's Lymphoma	Incidence	1,252	773	253	226
		Rate*	14.75	13.85	17.00	16.31
		95% C.I.	(13.9-15.6)	(12.9-14.9)	(14.9-19.3)	(14.2-18.7)
7	Kidney and Renal Pelvis	Incidence	995	637	182	175
		Rate*	11.40	10.98	12.33	12.13
		95% C.I.	(10.7-12.2)	(10.1-11.9)	(10.6-14.3)	(10.4-14.1)
8	Leukemia	Incidence	973	649	165	158
		Rate*	11.70	11.74	11.48	11.75
		95% C.I.	(11.0-12.5)	(10.8-12.7)	(9.8-13.5)	(10.0-13.8)
9	Lip, Oral Cavity and Pharynx	Incidence	921	593	180	---
		Rate*	10.40	10.09	11.83	---
		95% C.I.	(9.7-11.1)	(9.3-11.0)	(10.1-13.8)	---
10	Pancreas	Incidence	917	614	---	154
		Rate*	11.14	11.27	---	11.20
		95% C.I.	(10.4-11.9)	(10.4-12.3)	---	(9.5-13.2)
---	Total	Incidence	38,261	24,899	7,248	6,099
		Rate*	449.20	441.05	496.40	433.57
		95% C.I.	(444.6-453.9)	(435.4-446.8)	(484.9-508.2)	(422.6-444.8)

* Rates are per 100,000 population and age-adjusted to the 2000 US Standard population. Gender specific cancers are per 100,000 gender-specific population and age-adjusted to the 2000 US Standard population.

Note: The "----" indicates that this type of cancer was not in the Top Ten for this specific region.

Table 9. Top Ten Types of Cancer Incidence by Age Group, Nevada Residents, 1996-2000

Ranking	Age Group								
	0-14	15-24	25-34	35-44	45-54	55-64	65-74	75+	Total
1	Leukemia 94 36.0%	Thyroid Gland 31 12.2%	Thyroid Gland 116 14.2%	Breast 594 28.2%	Breast 1,233 25.5%	Lung and Bronchus 1,695 19.8%	Lung and Bronchus 2,739 23.1%	Lung and Bronchus 1,951 20.4%	Lung and Bronchus 7,162 18.7%
2	Brain and OCNS 53 20.3%	Leukemia 30 11.8%	Breast 98 12.0%	Colorectal 147 7.0%	Lung and Bronchus 630 13.0%	Breast 1,313 15.3%	Prostate 1,918 16.1%	Colorectal 1,458 15.3%	Breast 5,643 14.7%
3	NHL 19 7.3%	HL 24 9.4%	Skin 70 8.6%	Thyroid Gland 134 6.4%	Colorectal 412 8.5%	Prostate 1,271 14.8%	Colorectal 1,430 12.0%	Prostate 1,077 11.3%	Prostate 4,572 11.9%
4	KRP 11 4.2%	Skin 22 8.7%	NHL 62 7.6%	Cervix Uteri 127 6.0%	Prostate 291 6.0%	Colorectal 865 10.1%	Breast 1,387 11.7%	Breast 1,014 10.6%	Colorectal 4,345 11.4%
5	Liver and IBD 9 3.4%	Brain and OCNS 20 7.9%	Cervix Uteri 59 7.2%	Lung and Bronchus 127 6.0%	LOCP 175 3.6%	Urinary Bladder 367 4.3%	Urinary Bladder 663 5.6%	Urinary Bladder 631 6.6%	Urinary Bladder 1,866 4.9%
6	HL 7 2.7%	NHL 20 7.9%	HL 43 5.3%	Skin 122 5.8%	NHL 163 3.4%	LOCP 271 3.2%	NHL 316 2.7%	NHL 334 3.5%	NHL 1,252 3.3%
7	LOCP 3 1.1%	Ovary 6 2.4%	Brain and OCNS 41 5.0%	NHL 103 4.9%	Skin 161 3.3%	KRP 260 3.0%	Pancreas 304 2.6%	Pancreas 296 3.1%	KRP 995 2.6%
8	Ovary 2 0.8%	LOCP 5 2.0%	Leukemia 37 4.5%	Ovary 74 3.5%	KRP 156 3.2%	NHL 235 2.7%	KRP 292 2.5%	Leukemia 273 2.9%	Leukemia 973 2.5%
9	Thyroid Gland 2 0.8%	Cervix Uteri 4 1.6%	Ovary 34 4.2%	LOCP 63 3.0%	CU & Uterus NOS 153 3.2%	CU & Uterus NOS 208 2.4%	CU & Uterus NOS 252 2.1%	Stomach 211 2.2%	LOCP 921 2.4%
10	Urinary Bladder 2 0.8%	Breast 3 1.2%	Colorectal 30 3.7%	KRP 56 2.7%	Urinary Bladder 148 3.1%	Pancreas 208 2.4%	LOCP 252 2.1%	KRP 206 2.2%	Pancreas 917 2.4%
Sum Percent	202 77.4%	165 65.0%	590 72.2%	1,547 73.6%	3,522 72.9%	6,693 78.1%	9,553 80.4%	7,451 78.1%	28,646 74.9%
Total	261 100.0%	254 100.0%	817 100.0%	2,103 100.0%	4,831 100.0%	8,567 100.0%	11,877 100.0%	9,545 100.0%	38,261 100.0%

Abbreviations: Brain and OCNS = Brain and Other Central Nervous System, CU & Uterus NOS = Corpus Uteri and Uterus NOS, HL = Hodgkin's Lymphoma, KRP = Kidney and Renal Pelvis, LOCP = Lip, Oral Cavity and Pharynx, Liver and IBD = Liver and Intrahepatic Bile Ducts, NHL = Non-Hodgkin's Lymphoma. Note: Those cases with unknown ages are not shown separately, but are included in the total.

Table 10. Median Age at Time of Diagnosis by Leading Types of Cancer and Race/Ethnicity, Nevada Residents, 1996-2000

Type of Cancer	Race/Ethnicity					
	White	Black	Native American	Asian	Hispanic	Total
Lung and Bronchus	69.0	66.0	68.5	66.0	64.0	69.0
Breast	62.0	56.0	60.0	52.0	53.0	61.0
Prostate	68.0	65.0	69.0	71.0	66.0	68.0
Colorectal	70.0	64.0	65.0	64.5	64.0	70.0
Urinary Bladder	70.0	75.0	---	71.0	61.0	70.0
Non-Hodgkin's Lymphoma	66.0	58.0	---	64.0	58.0	65.0
Kidney and Renal Pelvis	65.0	62.0	68.5	60.0	56.0	65.0
Leukemia	68.0	66.5	42.0	15.0	35.0	66.0
Lip, Oral Cavity and Pharynx	62.0	58.0	---	54.5	59.0	62.0
Pancreas	70.0	67.0	65.0	66.0	68.0	69.0
Skin	58.0	---	---	---	72.0	58.0
Corpus Uteri & Uterus NOS	65.0	62.0	54.0	54.0	60.0	64.0
Ovary	64.0	63.0	---	62.0	47.0	63.0
Thyroid Gland	45.0	39.0	---	50.0	36.0	44.0
Stomach	72.0	63.0	70.0	62.0	61.5	71.0
Brain and Other Central Nervous System	60.0	61.0	---	35.0	39.0	58.5
Cervix Uteri	48.0	49.0	---	54.5	50.0	49.0
Liver and Intrahepatic Bile Ducts	69.0	59.5	73.0	58.0	60.0	68.0
Esophagus	66.5	61.0	---	63.0	63.0	66.0
Larynx	65.0	64.0	---	---	60.0	64.0
Multiple Myeloma	69.0	62.0	---	70.0	66.0	69.0
Hodgkin's Lymphoma	41.0	40.0	---	---	26.0	40.0
All Other Sites	67.0	62.0	71.0	62.0	51.0	66.0
Total	67.0	63.0	65.0	62.0	59.0	66.0

Note: Those of other/unknown race/ethnicity are not shown separately, but are included in the total. Those deaths of other/unknown gender and/or unknown ages are not included in this table. The median age was not calculated for those numbers less than five.

INPATIENT HOSPITAL DISCHARGES

HIGHLIGHTS

- Lung and Bronchus Cancer was the leading type of Cancer for inpatient discharges in Nevada from 1996 to 2000. This type of cancer accounted for 15.2% of all resident cancer inpatient hospital discharges during this period. The second leading type of cancer was Colorectal Cancer, which accounted for 12.6% of all cancer inpatient discharges during this period.
- The two leading types of cancer for inpatient hospital discharges, Lung and Bronchus and Colorectal Cancer accounted for 283.9 million dollars in total billed amounts in Nevada from 1996 to 2000. This accounted for 30.9% of the total 922.4 million dollars in billed amounts for cancer inpatient hospital discharges during this period.
- The five types of cancer that had the highest average total billed amount for Nevada from 1996 to 2000 were: Leukemia (\$53,265), Stomach (\$48,948), Esophagus (\$42,562), Larynx (\$39,744), and Pancreatic (\$37,747) Cancer.
- The five types of cancer that had the highest median total billed amount for Nevada from 1996 to 2000 were: Stomach (\$34,005), Larynx (\$29,728), Brain and Other Central Nervous System (\$29,375), Leukemia (\$25,696), and Colorectal (\$25,540) Cancer.
- The five types of cancer that had the highest average length of stay (days) for cancer inpatient hospital discharges for Nevada from 1996 to 2000 were: Leukemia (12.33), Stomach (11.06), Esophagus (10.05), Larynx (9.62), and Pancreas (9.43) Cancer.
- The five types of cancer that had the highest average daily billed amount for Nevada from 1996 to 2000 were: Breast (\$5,632), Prostate (\$5,415), Thyroid Gland (\$4,942), Uterine (\$4,694), and Ovary (\$4,668) Cancer.

Figure 9. Top Ten Leading Cancers in Total Inpatient Discharge Charges, Nevada Residents, 1996-2000

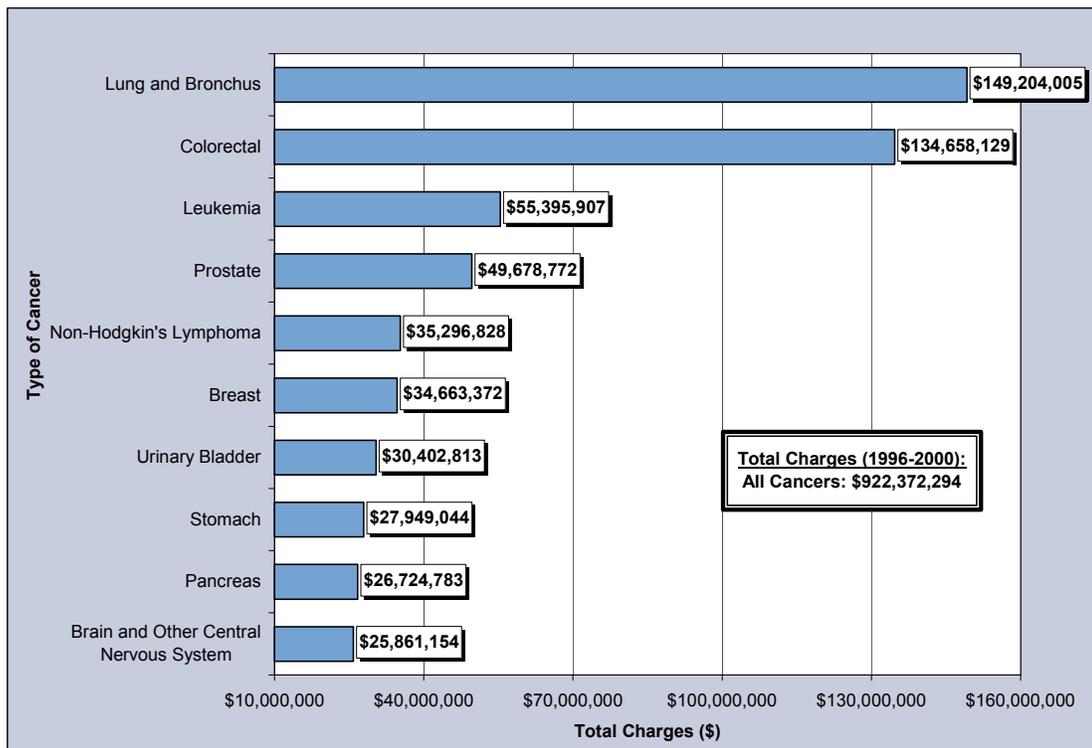


Figure 10. Top Ten Leading Cancers in Average Inpatient Discharge Charges, Nevada Residents, 1996-2000

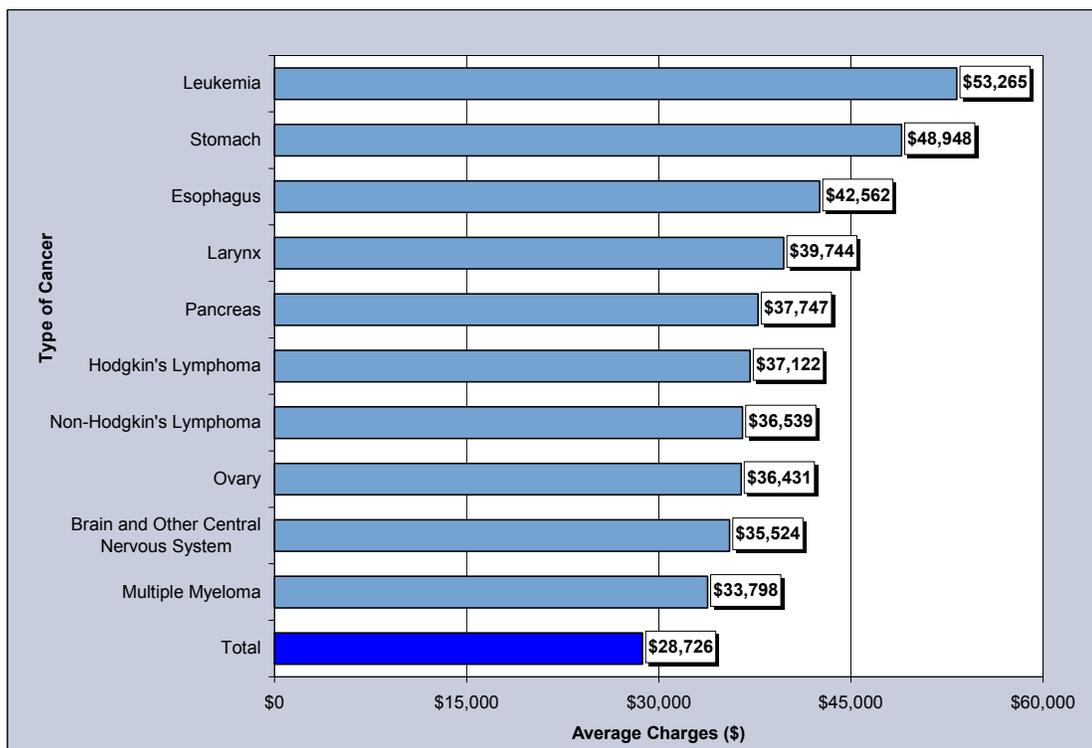


Figure 11. Top Ten Leading Cancers in Median Inpatient Discharge Charges, Nevada Residents, 1996-2000

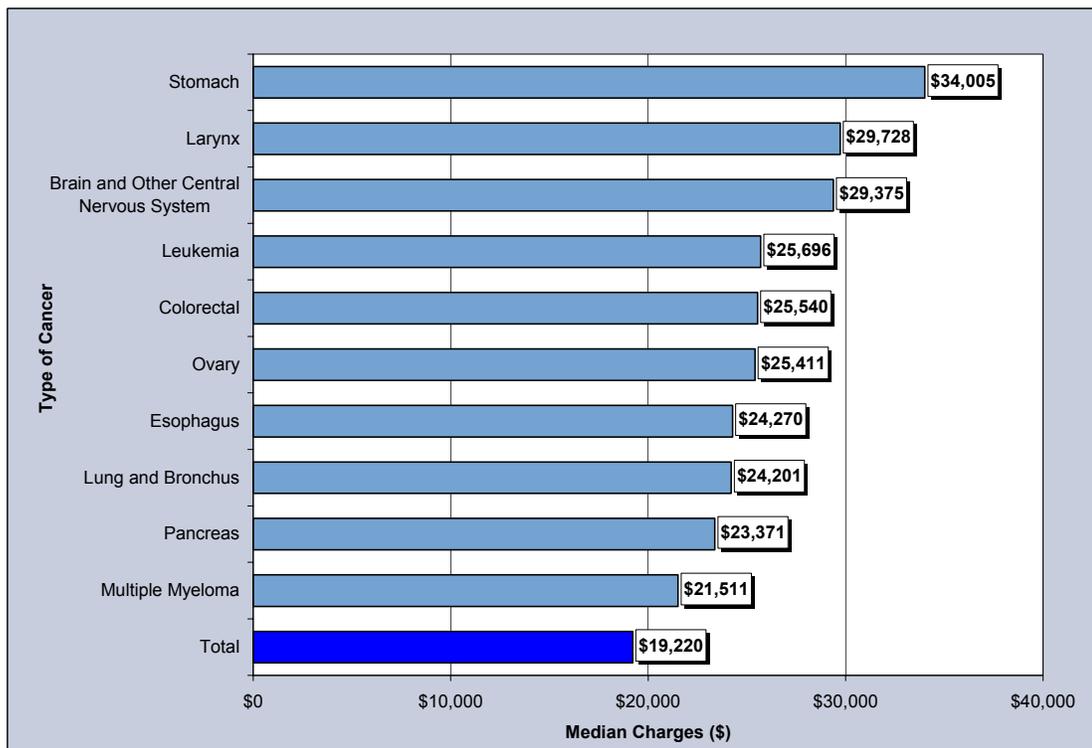


Figure 12. Top Ten Leading Cancers in Total Number of Days Stayed for Inpatient Hospital Discharges, Nevada Residents, 1996-2000

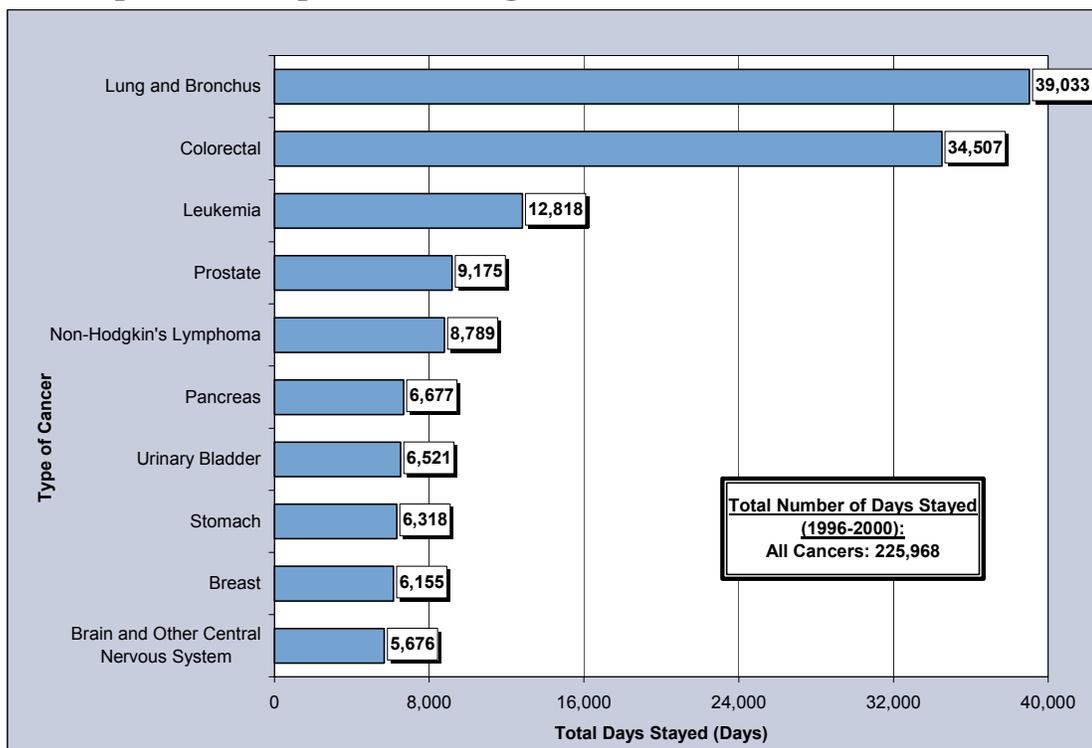


Figure 13. Top Ten Leading Cancers in Average Length of Stay (Days) for Inpatient Hospital Discharges, Nevada Residents, 1996-2000

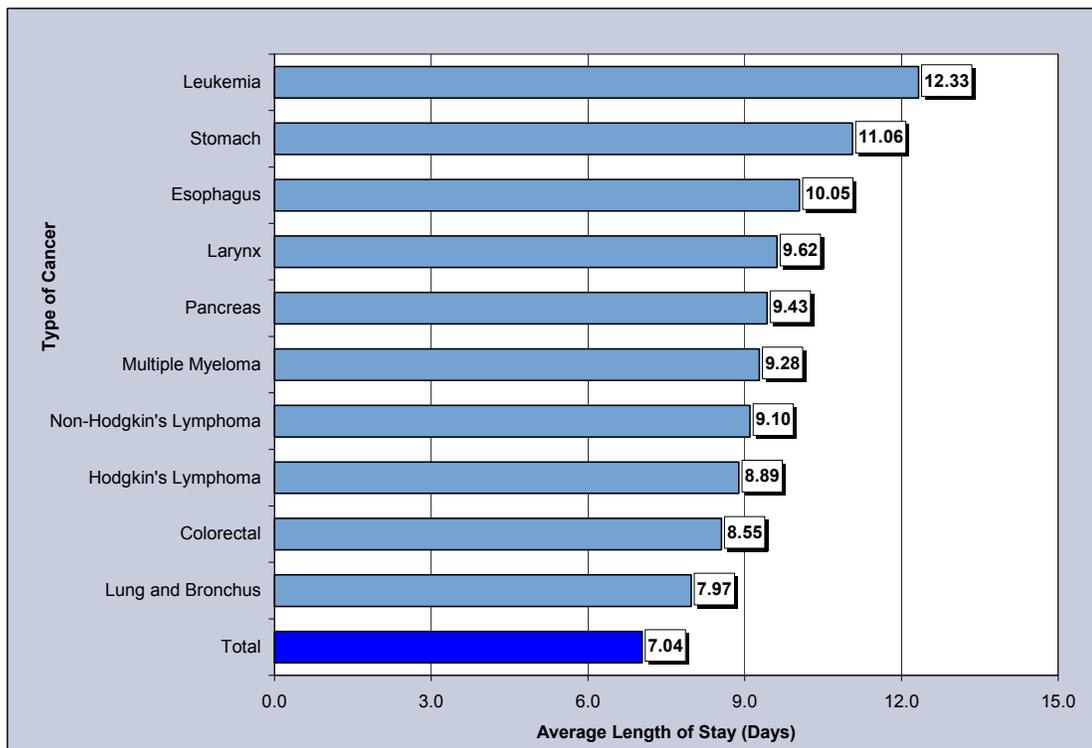


Figure 14. Top Ten Leading Cancers in Median Length of Stay (Days) for Inpatient Hospital Discharges, Nevada Residents, 1996-2000

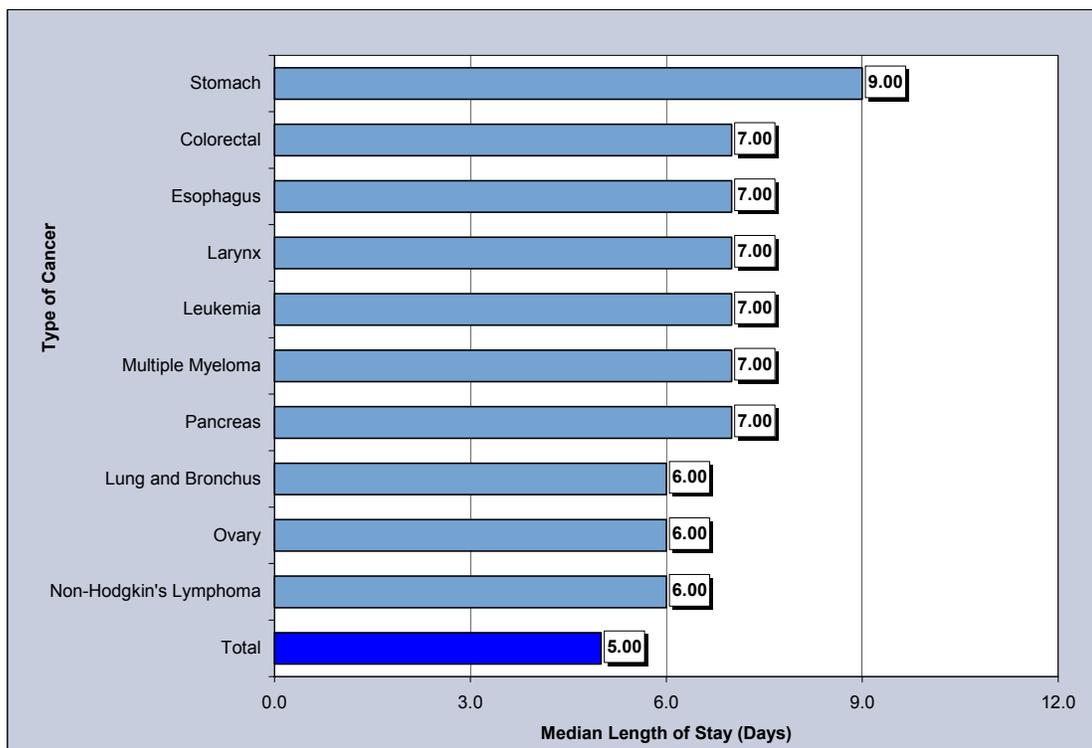


Table 11. Nevada Inpatient Hospital Discharges by Type of Cancer and Gender, Nevada, 1996-2000

Type of Cancer	Total*		Male		Female	
	Number	Rate**	Number	Rate**	Number	Rate**
Total	32,109	372.23	15,724	384.33	16,385	367.20
Lip, Oral Cavity and Pharynx	505	5.65	332	7.61	173	3.81
Lip	9	---	8	---	1	---
Base of Tongue	74	0.80	45	0.96	29	0.62
Other & Unspecified Parts of Tongue	81	0.92	49	1.16	32	0.71
Parotid Gland	42	0.47	27	0.64	15	0.33
Other & Unspecified Major Salivary glands	9	---	7	---	2	---
Floor of Mouth	60	0.64	37	0.79	23	0.49
Gum	24	0.27	18	0.40	6	---
Palate	12	0.14	7	---	5	---
Other & Unspecified Parts of Mouth	32	0.37	17	0.42	15	0.33
Nasopharynx	23	0.25	16	0.35	7	---
Tonsil	51	0.57	40	0.89	11	0.25
Oropharynx	22	0.23	15	0.32	7	---
Pyriform Sinus	20	0.22	15	0.32	5	---
Hypopharynx	19	0.22	11	0.24	8	---
Other & Unspecified Oral (Buccal) Cavity & Pharynx	27	0.31	20	0.49	7	---
Digestive System	6,346	76.94	3,503	89.45	2,843	65.93
Esophagus	293	3.37	223	5.33	70	1.59
Stomach	571	6.89	389	10.17	182	4.18
Small Intestine	128	1.46	72	1.70	56	1.24
Colon (excluding Rectum)	2,741	33.99	1,367	36.06	1,374	32.21
Cecum	531	6.70	245	6.51	286	6.78
Appendix	23	0.27	8	---	15	0.34
Ascending Colon	510	6.41	240	6.49	270	6.38
Hepatic Flexure	95	1.22	48	1.29	47	1.13
Transverse Colon	235	2.95	113	3.09	122	2.86
Splenic Flexure	100	1.24	47	1.37	53	1.21
Descending Colon	158	1.86	90	2.29	68	1.52
Sigmoid Colon	786	9.60	430	11.03	356	8.31
Large Intestine, NOS	303	3.74	146	3.79	157	3.68
Rectum	616	7.40	346	8.69	270	6.23
Rectosigmoid Junction	559	6.62	324	7.80	235	5.42
Anus, Anal Canal and Anorectum	118	1.39	58	1.47	60	1.36
Liver	301	3.42	214	5.05	87	1.93
Intrahepatic Bile Ducts	37	0.45	20	0.51	17	0.40
Gallbladder	40	0.53	16	0.44	24	0.59
Other & Unspecified Biliary Tract	133	1.68	70	1.94	63	1.49
Pancreas	708	8.58	360	9.21	348	8.03
Retroperitoneum	52	0.58	30	0.67	22	0.49
Peritoneum, Omentum and Mesentery	46	0.54	12	0.31	34	0.76
Other Digestive Organs	3	---	2	---	1	---
Respiratory System	5,278	60.93	2,873	70.23	2,405	53.41
Nasal Cavity and Middle Ear	9	---	6	---	3	---
Accessory Sinuses	18	0.20	13	0.29	5	---
Larynx	226	2.54	172	4.02	54	1.18
Lung and Bronchus	4,895	56.53	2,592	63.34	2,303	51.17
Pleura	61	0.77	50	1.45	11	0.25
Trachea	18	0.20	11	0.26	7	---
Mediastinum and Other Respiratory Organs	51	0.59	29	0.74	22	0.48
Bones, Joints and Articular Cartilage	112	1.26	56	1.23	56	1.27
Bones, Joints & Articular Cartilage of Limbs	50	0.57	25	0.57	25	0.58
Bones, Joints & Articular Cartilage of Other & Unspec Sites	62	0.69	31	0.67	31	0.69
Soft Tissue (Including Heart)	126	1.47	65	1.65	61	1.37
Heart	3	---	2	---	1	---
Peripheral Nerves & Autonomic Nervous System	0	---	0	---	0	---
Connective, Subcutaneous & Other Soft Tissues	123	1.44	63	1.61	60	1.35

* Those of unknown gender are not shown separately, but are included in the total.

** Rates are per 100,000 population and age-adjusted to the 2000 US Standard population. Gender specific cancers are per 100,000 gender-specific population and age-adjusted to the 2000 US Standard population.

Note: The "----" is used for rates calculated on numbers less than ten.

Table 11. Nevada Inpatient Hospital Discharges by Type of Cancer and Gender, Nevada, 1996-2000 (Continued)

Type of Cancer	Total*		Male		Female	
	Number	Rate**	Number	Rate**	Number	Rate**
Total	32,109	372.23	15,724	384.33	16,385	367.20
Skin (Excluding Basal And Squamous)	234	2.79	145	3.69	89	2.04
Melanomas Of The Skin	71	0.82	42	1.07	29	0.64
Other Non-Epithelial Skin	163	1.97	103	2.62	60	1.40
Breast	2,542	29.21	18	0.49	2,524	56.21
Female Genital System	2,285	25.83	0	---	2,285	50.47
Cervix Uteri	611	6.61	0	---	611	13.30
Corpus Uteri	828	9.41	0	---	828	18.27
Uterus, NOS	25	0.31	0	---	25	0.58
Ovary	635	7.23	0	---	635	14.08
Vagina	52	0.61	0	---	52	1.16
Vulva	105	1.35	0	---	105	2.48
Placenta	1	---	0	---	1	---
Other Female Genital Organs	28	0.29	0	---	28	0.59
Male Genital System	2,521	28.08	2,521	58.82	0	---
Prostate	2,450	27.31	2,450	57.26	0	---
Testis	56	0.59	56	1.14	0	---
Penis	11	0.15	11	0.35	0	---
Other Male Genital Organs	4	---	4	---	0	---
Urinary System	1,908	22.60	1,332	33.83	576	13.07
Urinary Bladder	989	12.20	740	20.02	249	5.82
Kidney	748	8.41	481	11.05	267	5.92
Renal Pelvis	94	1.10	59	1.48	35	0.78
Ureter	60	0.70	44	1.10	16	0.36
Other Urinary Organs	17	0.18	8	---	9	---
Eye and Orbit	7	---	2	---	5	---
Brain and Other Central Nervous System	728	8.11	426	9.52	302	6.72
Brain	680	7.58	405	9.06	275	6.12
Meninges	28	0.32	10	0.23	18	0.40
Spinal Cord, Cranial Nerves, & Other Parts of CNS	20	0.22	11	0.23	9	---
Endocrine System	792	8.46	187	4.05	605	13.09
Thyroid Gland	750	8.01	167	3.62	583	12.62
Adrenal Gland	19	0.20	10	0.21	9	---
Other Endocrine (Including Thymus)	23	0.25	10	0.22	13	0.28
Hodgkin's Lymphoma	116	1.25	61	1.26	55	1.21
Non-Hodgkin's Lymphoma	966	11.31	553	13.25	413	9.44
Multiple Myeloma	320	3.69	189	4.60	131	2.93
Leukemia	1,040	11.99	609	14.68	431	9.66
Lymphocytic	425	4.81	254	5.85	171	3.83
Acute Lymphocytic	262	2.79	157	3.28	105	2.28
Chronic Lymphocytic	160	1.98	95	2.52	65	1.53
Other Lymphocytic	3	---	2	---	1	---
Granulocytic (Myeloid)	526	6.11	301	7.51	225	5.01
Acute Myeloid	422	4.86	239	5.79	183	4.08
Chronic Myeloid	104	1.25	62	1.73	42	0.94
Other Myeloid	0	---	0	---	0	---
Monocytic	9	---	7	---	2	---
Acute Monocytic	9	---	7	---	2	---
Chronic Monocytic	0	---	0	---	0	---
Other Monocytic	0	---	0	---	0	---
Other	80	0.96	47	1.14	33	0.77
Other Acute	53	0.64	28	0.65	25	0.59
Other Chronic	8	---	5	---	3	---
Aleukemic, Subleukemic and NOS	19	0.22	14	0.33	5	---
Other, Ill-Defined and Unspecified Sites	6,283	72.60	2,852	69.90	3,431	76.47

* Those of unknown gender are not shown separately, but are included in the total.

** Rates are per 100,000 population and age-adjusted to the 2000 US Standard population. Gender specific cancers are per 100,000 gender-specific population and age-adjusted to the 2000 US Standard population.

Note: The "----" is used for rates calculated on numbers less than ten.

Table 12. Top Ten Types of Cancer Inpatient Hospital Discharges by County/Region of Residence, Nevada Residents, 1996-2000

Rank	Type of Cancer		County/Region of Residence			
			Nevada Total	Clark	Washoe	All Other Counties
1	Lung and Bronchus	Admissions	4,895	3,532	709	651
		Rate*	56.53	61.39	49.02	44.81
		95% C.I.	(54.9-58.2)	(59.3-63.5)	(45.4-52.9)	(41.4-48.5)
2	Colorectal	Admissions	4,034	2,832	661	541
		Rate*	49.40	52.21	47.87	39.70
		95% C.I.	(47.8-51.0)	(50.2-54.3)	(44.2-51.8)	(36.4-43.3)
3	Breast*	Admissions	2,524	1,668	489	365
		Rate*	56.21	55.91	62.43	50.76
		95% C.I.	(54.0-58.5)	(53.2-58.7)	(57.0-68.3)	(45.7-56.3)
4	Prostate*	Admissions	2,450	1,631	383	436
		Rate*	57.26	57.62	53.28	59.89
		95% C.I.	(54.9-59.7)	(54.7-60.8)	(47.9-59.4)	(54.2-66.2)
5	Leukemia	Admissions	1,040	771	132	136
		Rate*	11.99	13.32	8.69	10.08
		95% C.I.	(11.3-12.8)	(12.4-14.3)	(7.3-10.4)	(8.4-12.0)
6	Urinary Bladder	Admissions	989	710	129	149
		Rate*	12.20	13.39	9.37	10.48
		95% C.I.	(11.4-13.0)	(12.4-14.5)	(7.8-11.2)	(8.8-12.4)
7	Non-Hodgkin's Lymphoma	Admissions	966	662	164	140
		Rate*	11.31	11.65	11.18	10.05
		95% C.I.	(10.6-12.1)	(10.8-12.6)	(9.5-13.1)	(8.4-11.9)
8	Corpus Uteri & Uterus NOS	Admissions	853	613	127	113
		Rate*	18.85	20.32	16.27	15.61
		95% C.I.	(17.6-20.2)	(18.7-22.0)	(13.6-19.4)	(12.9-18.8)
9	Kidney and Renal Pelvis	Admissions	842	569	129	144
		Rate*	9.52	9.66	8.66	9.82
		95% C.I.	(8.9-10.2)	(8.9-10.5)	(7.2-10.4)	(8.3-11.6)
10	Thyroid Gland	Admissions	750	546	134	---
		Rate*	8.01	8.65	8.01	---
		95% C.I.	(7.4-8.6)	(7.9-9.4)	(6.7-9.6)	---
---	Total	Admissions	32,109	22,597	5,220	4,280
		Rate*	372.23	393.81	356.30	301.61
		95% C.I.	(368.1-376.4)	(388.6-399.1)	(346.6-366.3)	(292.5-311.0)

* Rates are per 100,000 population and age-adjusted to the 2000 US Standard population. Gender specific cancers are per 100,000 gender-specific population and age-adjusted to the 2000 US Standard population.

Note: The "---" indicates that this type of cancer was not in the Top Ten for this specific region.

Table 13. Top Ten Types of Cancer Hospital Discharges by Age Group, Nevada Residents, 1996-2000

Ranking	Age Group								
	0-14	15-24	25-34	35-44	45-54	55-64	65-74	75+	Total
1	Leukemia 194 45.3%	Leukemia 58 23.6%	Thyroid Gland 158 20.5%	Breast 291 14.9%	Breast 512 12.4%	Lung and Bronchus 1,277 16.8%	Lung and Bronchus 1,837 18.9%	Colorectal 1,403 19.3%	Lung and Bronchus 4,895 15.2%
2	Brain and OCNS 77 18.0%	Thyroid Gland 37 15.0%	Cervix Uteri 71 9.2%	Thyroid Gland 208 10.7%	Lung and Bronchus 480 11.7%	Prostate 900 11.9%	Colorectal 1,320 13.6%	Lung and Bronchus 1,167 16.0%	Colorectal 4,034 12.6%
3	NHL 22 5.1%	Brain and OCNS 23 9.3%	Breast 57 7.4%	Cervix Uteri 178 9.1%	Colorectal 356 8.6%	Colorectal 807 10.6%	Prostate 965 9.9%	Breast 480 6.6%	Breast 2,542 7.9%
4	KRP 21 4.9%	NHL 20 8.1%	Leukemia 57 7.4%	Lung and Bronchus 123 6.3%	Prostate 220 5.3%	Breast 582 7.7%	Breast 618 6.4%	Urinary Bladder 379 5.2%	Prostate 2,450 7.6%
5	Liver and IBD 16 3.7%	HL 16 6.5%	Brain and OCNS 55 7.1%	Colorectal 117 6.0%	Thyroid Gland 161 3.9%	KRP 224 3.0%	Urinary Bladder 352 3.6%	Prostate 352 4.8%	Leukemia 1,040 3.2%
6	Thyroid Gland 6 1.4%	Cervix Uteri 8 3.3%	NHL 54 7.0%	Brain and OCNS 88 4.5%	CU & Uterus NOS 150 3.6%	CU & Uterus NOS 195 2.6%	CU & Uterus NOS 272 2.8%	NHL 245 3.4%	Urinary Bladder 989 3.1%
7	HL 4 0.9%	Liver and IBD 5 2.0%	Colorectal 29 3.8%	Ovary 68 3.5%	KRP 131 3.2%	Urinary Bladder 182 2.4%	NHL 264 2.7%	Pancreas 214 2.9%	NHL 966 3.0%
8	Ovary 2 0.5%	Ovary 5 2.0%	HL 23 3.0%	NHL 61 3.1%	Ovary 131 3.2%	NHL 178 2.3%	KRP 262 2.7%	Leukemia 202 2.8%	CU & Uterus NOS 853 2.7%
9	Prostate 2 0.5%	KRP 3 1.2%	Ovary 21 2.7%	Leukemia 54 2.8%	Cervix Uteri 129 3.1%	Leukemia 171 2.3%	Pancreas 240 2.5%	Stomach 175 2.4%	KRP 842 2.6%
10	Urinary Bladder 2 0.5%	Colorectal 2 0.8%	CU & Uterus NOS 20 2.6%	CU & Uterus NOS 49 2.5%	NHL 122 3.0%	Pancreas 163 2.1%	Leukemia 213 2.2%	CU & Uterus NOS 166 2.3%	Thyroid Gland 750 2.3%
Sum	346	177	545	1,237	2,392	4,679	6,343	4,783	19,361
Percent	80.8%	72.0%	70.8%	63.4%	58.1%	61.7%	65.2%	65.7%	60.3%
Total	428 100.0%	246 100.0%	770 100.0%	1,952 100.0%	4,120 100.0%	7,587 100.0%	9,726 100.0%	7,279 100.0%	32,109 100.0%

Abbreviations: Brain and OCNS = Brain and Other Central Nervous System, CU & Uterus NOS = Corpus Uteri and Uterus NOS, HL = Hodgkin's Lymphoma, KRP = Kidney and Renal Pelvis, LOCP = Lip, Oral Cavity and Pharynx, Liver and IBD = Liver and Intrahepatic Bile Ducts, NHL = Non-Hodgkin's Lymphoma. Note: Those cases with unknown ages are not shown separately, but are included in the total.

MORTALITY

HIGHLIGHTS

- Lung and Bronchus Cancer was the leading type of cancer for cancer mortality in Nevada from 1996 to 2000. This type of cancer accounted for 32.0% of all resident Cancer deaths during this period. The second leading type of cancer for mortality was Colorectal Cancer, which accounted for 10.7% of all Cancer deaths.
- Blacks had the highest ratio of the remaining racial/ethnic groups when compared to the age-adjusted cancer mortality rates for Whites with a comparison ratio of 1.07. This means that for every 100 White cancer deaths Blacks would be expected to have 107 deaths. Native Americans, Asians and Hispanics had comparison ratios of 0.52, 0.42 and 0.39, respectively, for Nevada from 1996 to 2000.
- Stomach Cancer had the highest age-adjusted mortality rate comparison ratio for Blacks when compared to Whites in Nevada from 1996 to 2000 with a ratio of 2.05. This means that for every 100 White Stomach Cancer deaths, Blacks would be expected to have 205 deaths. The type with the highest comparison ratio for Native Americans and Asians was Liver and Intrahepatic Bile Ducts, with ratios of 1.76 and 2.06, respectively. Hodgkin's Lymphoma had the highest comparison ratio for Hispanics when compared to Whites with a ratio of 1.23.
- Skin Cancer had the lowest age-adjusted mortality rate comparison ratio for Blacks and Asians when compared to Whites in Nevada from 1996 to 2000 with ratios of 0.17 and 0.06. This means that for every 100 White cancer cases Blacks and Asians would be expected to have 17 and six deaths, respectively, from Skin Cancer. The type of cancer with the lowest age-adjusted mortality rate comparison ratio for Native Americans was Urinary Bladder Cancer with a ratio of 0.15 during this period. While the type of cancer with the lowest age-adjusted mortality rate comparison ratio for Hispanics was Larynx Cancer with a ratio of 0.21.
- Cervix Uteri Cancer had the lowest median age at time of death for Nevada residents from 1996 to 2000 at 53 years. Prostate Cancer had the highest median age at time of death for Nevada residents during this same period at 76 years.
- Hodgkin's Lymphoma had the lowest median age at time of death for male Nevada residents from 1996 to 2000 at 55 years, while the highest median age was for males in Nevada was for Prostate Cancer at 76 years.
- Cervix Uteri Cancer had the lowest median age at time of death for Female Nevada Residents during this same period at 53 years, while the highest median age for females in Nevada was for Stomach and Urinary Bladder Cancer at 75 years.

Figure 15. Top Ten Leading Cancers by Percentage of Total Cancer Mortality, Nevada Residents, 1996-2000

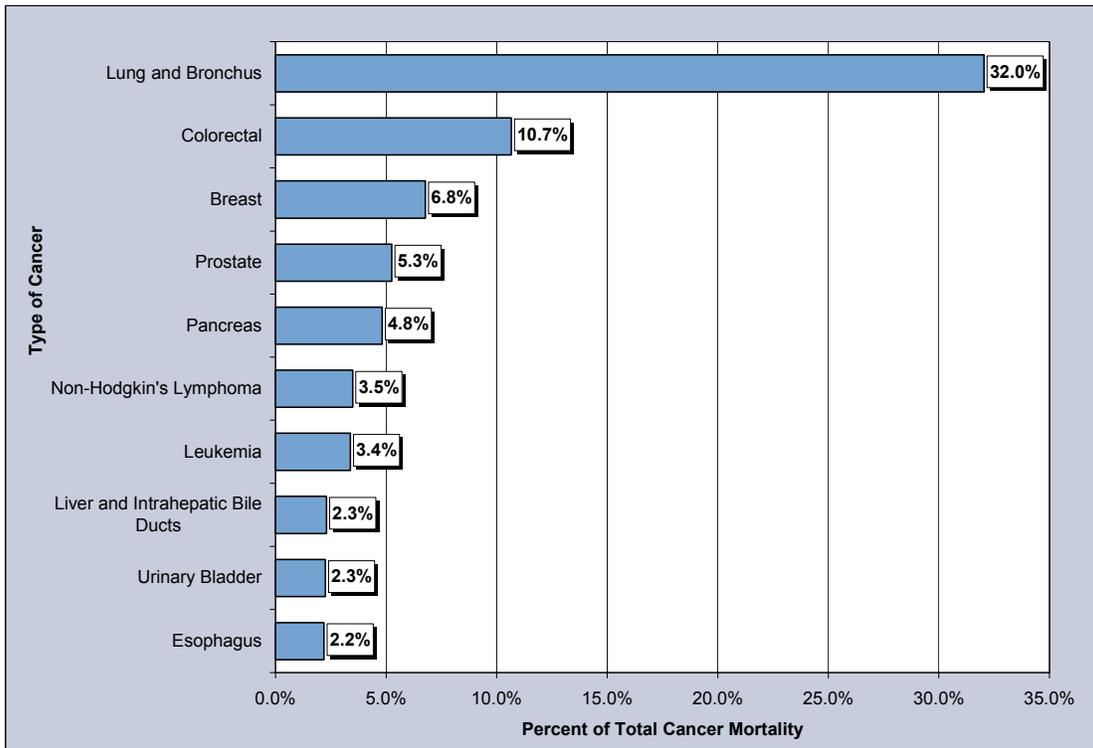


Figure 16. Comparison of Age-Adjusted (2000) Mortality Rates of Blacks compared to Whites, Nevada Residents, 1996-2000

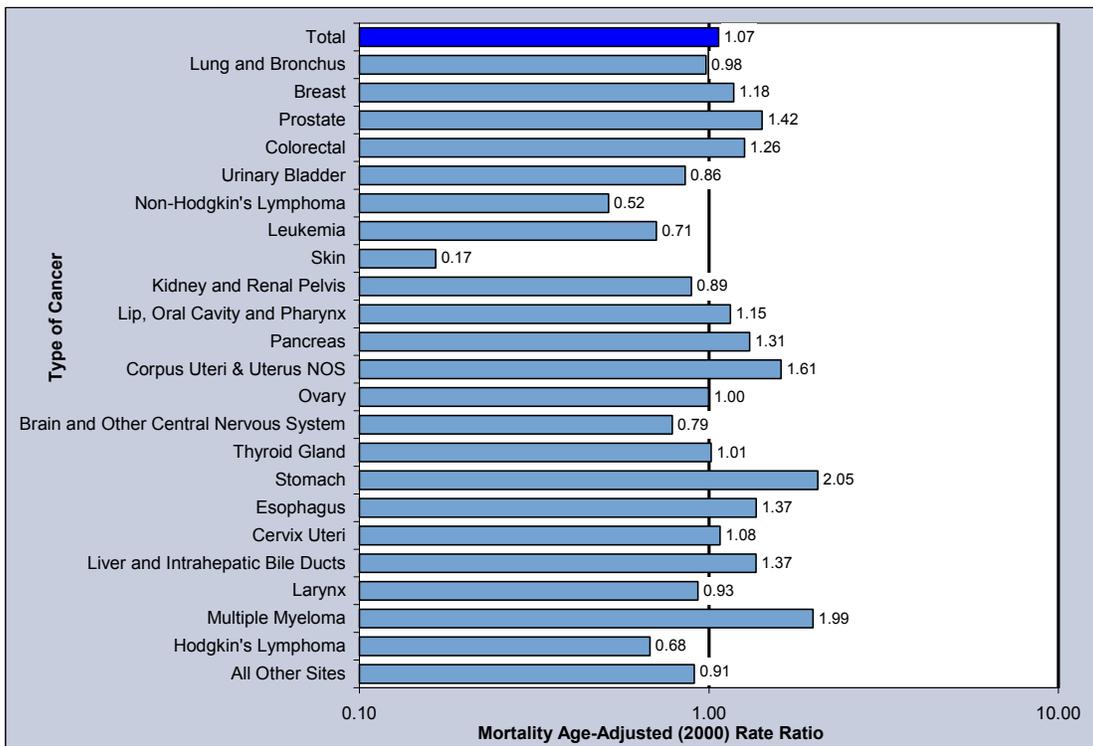
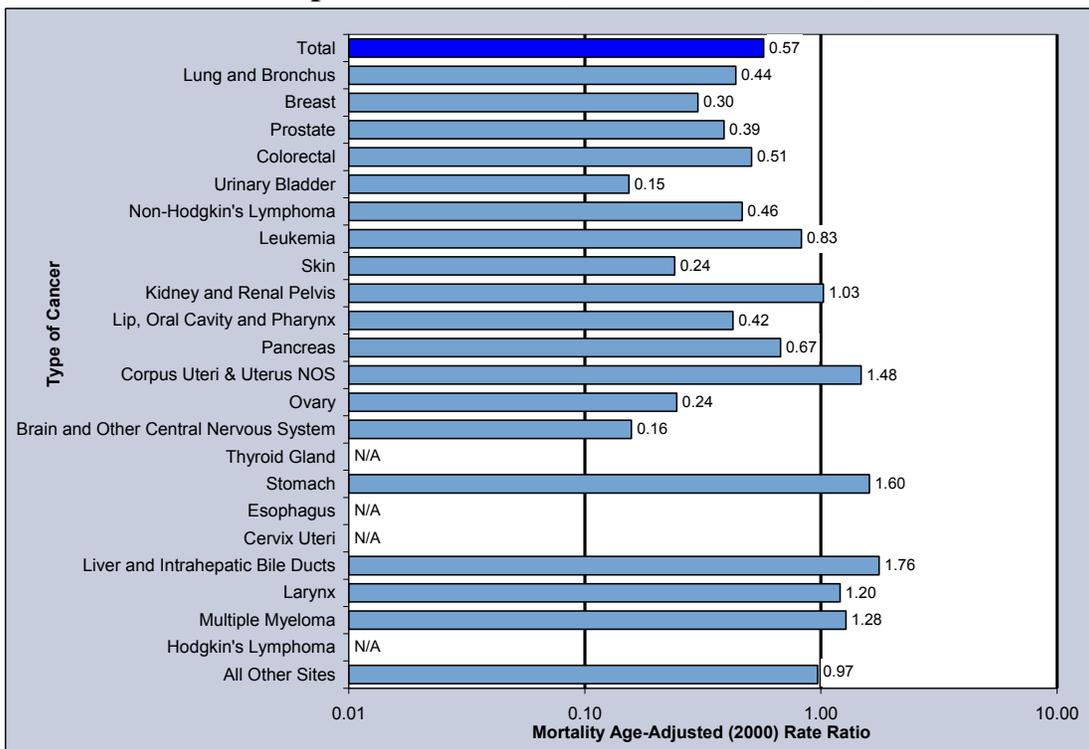
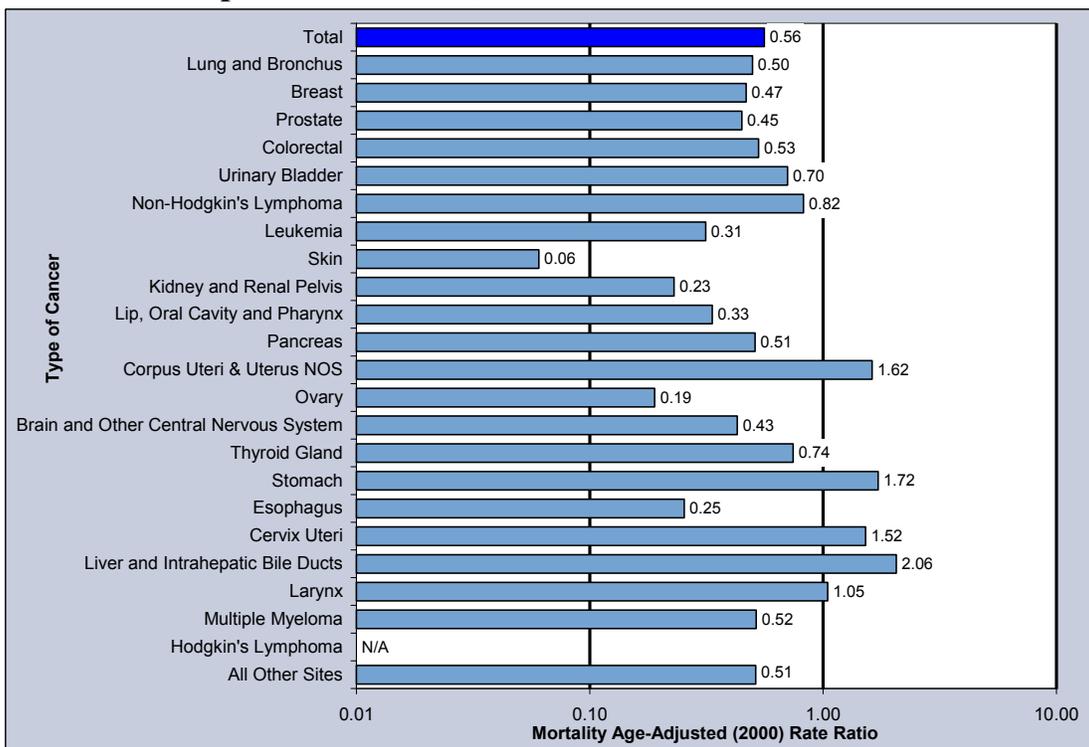


Figure 17. Comparison of Age-Adjusted (2000) Mortality Rates of Native Americans compared to Whites, Nevada Residents, 1996-2000



Note: "N/A" indicates that a comparison ratio could not be calculated.

Figure 18. Comparison of Age-Adjusted (2000) Mortality Rates of Asians compared to Whites, Nevada Residents, 1996-2000



Note: "N/A" indicates that a comparison ratio could not be calculated.

Figure 19. Comparison of Age-Adjusted (2000) Mortality Rates of Hispanics compared to Whites, Nevada Residents, 1996-2000

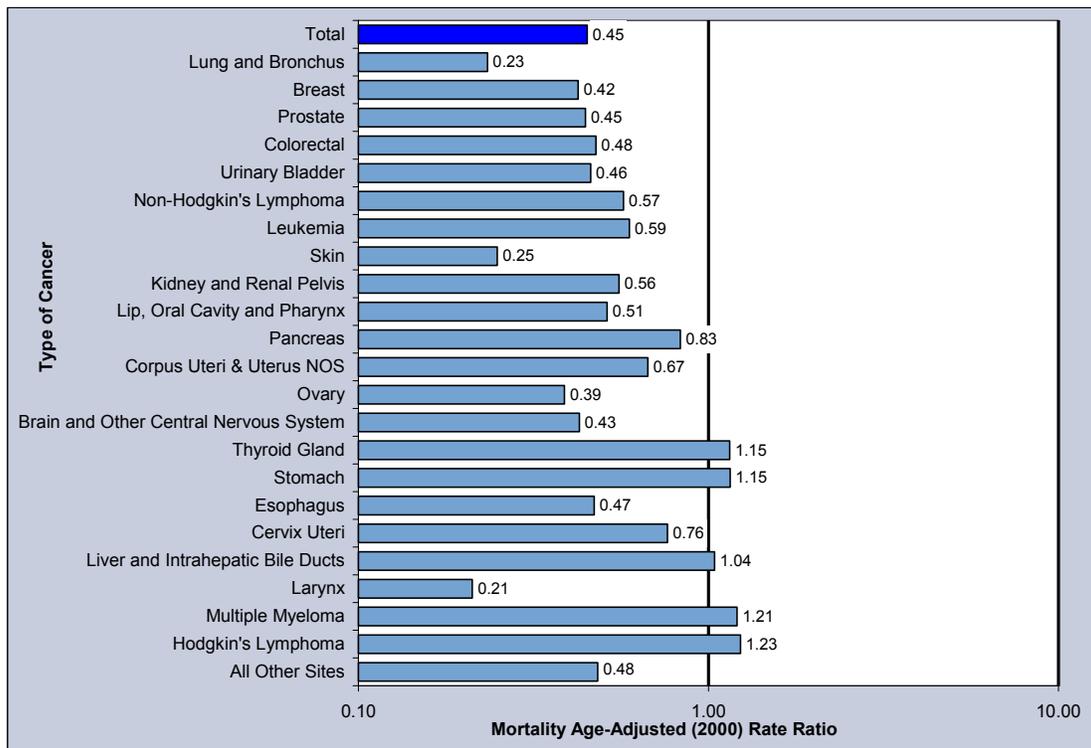


Table 14. Nevada Mortality by Type of Cancer and Gender, Nevada, 1996-2000

Type of Cancer	Total*		Male		Female	
	Number	Rate**	Number	Rate**	Number	Rate**
Total	16,806	207.63	9,173	247.07	7,633	177.55
Lip, Oral Cavity and Pharynx	213	2.52	137	3.23	76	1.79
Lip	2	---	2	---	0	---
Base of Tongue	3	---	2	---	1	---
Other & Unspecified Parts of Tongue	51	0.58	32	0.75	19	0.42
Parotid Gland	12	0.13	7	---	5	---
Other & Unspecified Major Salivary glands	2	---	2	---	0	---
Floor of Mouth	6	---	4	---	2	---
Gum	2	---	0	---	2	---
Palate	4	---	3	---	1	---
Other & Unspecified Parts of Mouth	26	0.32	13	0.29	13	0.32
Nasopharynx	21	0.24	14	0.31	7	---
Tonsil	12	0.13	9	---	3	---
Oropharynx	9	---	6	---	3	---
Pyramiform Sinus	1	---	1	---	0	---
Hypopharynx	5	---	5	---	0	---
Other & Unspecified Oral (Buccal) Cavity & Pharynx	57	0.68	37	0.87	20	0.48
Digestive System	3,818	47.74	2,241	59.68	1,577	37.49
Esophagus	368	4.26	288	6.88	80	1.84
Stomach	326	4.16	199	5.30	127	3.10
Small Intestine	22	0.26	12	0.32	10	0.23
Colon (excluding Rectum)	1,522	19.62	859	24.08	663	16.03
Cecum	10	0.14	5	---	5	---
Appendix	1	---	1	---	0	---
Ascending Colon	2	---	0	---	2	---
Hepatic Flexure	0	---	0	---	0	---
Transverse Colon	1	---	0	---	1	---
Splenic Flexure	0	---	0	---	0	---
Descending Colon	0	---	0	---	0	---
Sigmoid Colon	10	0.12	6	---	4	---
Large Intestine, NOS	1,498	19.29	847	23.70	651	15.73
Rectum	187	2.24	109	2.75	78	1.78
Rectosigmoid Junction	63	0.82	33	0.88	30	0.75
Anus, Anal Canal and Anorectum	20	0.23	10	0.24	10	0.22
Liver	323	3.92	220	5.65	103	2.42
Intrahepatic Bile Ducts	65	0.81	37	0.98	28	0.66
Gallbladder	40	0.52	13	0.41	27	0.64
Other & Unspecified Biliary Tract	35	0.47	22	0.64	13	0.32
Pancreas	810	9.95	420	11.00	390	9.09
Retroperitoneum	6	---	3	---	3	---
Peritoneum, Omentum and Mesentery	8	---	2	---	6	---
Other Digestive Organs	23	0.30	14	0.40	9	---
Respiratory System	5,548	66.34	3,150	81.22	2,398	54.48
Nasal Cavity and Middle Ear	0	---	0	---	0	---
Accessory Sinuses	12	0.16	9	---	3	---
Larynx	136	1.62	98	2.49	38	0.87
Lung and Bronchus	5,385	64.36	3,032	78.09	2,353	53.44
Pleura	8	---	7	---	1	---
Trachea	2	---	1	---	1	---
Mediastinum and Other Respiratory Organs	5	---	3	---	2	---
Bones, Joints and Articular Cartilage	32	0.40	20	0.59	12	0.28
Bones, Joints & Articular Cartilage of Limbs	0	---	0	---	0	---
Bones, Joints & Articular Cartilage of Other & Unspec Sites	32	0.40	20	0.59	12	0.28
Soft Tissue (Including Heart)	133	1.56	77	1.88	56	1.27
Heart	8	---	5	---	3	---
Peripheral Nerves & Autonomic Nervous System	3	---	2	---	1	---
Connective, Subcutaneous & Other Soft Tissues	122	1.44	70	1.72	52	1.19

* Those of unknown gender are not shown separately, but are included in the total.

**Rates are per 100,000 population and age-adjusted to the 2000 US Standard population.

Note: The “---” is used for rates calculated on numbers less than ten.

**Table 14. Nevada Mortality by Type of Cancer and Gender,
Nevada, 1996-2000 (Continued)**

Type of Cancer	Total*		Male		Female	
	Number	Rate**	Number	Rate**	Number	Rate**
Total	16,806	207.63	9,173	247.07	7,633	177.55
Skin (Excluding Basal And Squamous)	322	3.80	221	5.47	101	2.32
Melanomas Of The Skin	249	2.86	170	4.08	79	1.77
Other Non-Epithelial Skin	73	0.94	51	1.38	22	0.55
Breast	1,139	14.11	11	0.26	1,128	26.10
Female Genital System	661	8.13	0	---	661	15.24
Cervix Uteri	133	1.55	0	---	133	3.01
Corpus Uteri	55	0.68	0	---	55	1.27
Uterus, NOS	76	0.97	0	---	76	1.79
Ovary	361	4.47	0	---	361	8.33
Vagina	9	---	0	---	9	---
Vulva	15	0.22	0	---	15	0.38
Placenta	1	---	0	---	1	---
Other Female Genital Organs	11	0.13	0	---	11	0.25
Male Genital System	901	12.38	901	29.58	0	---
Prostate	883	12.18	883	29.19	0	---
Testis	15	0.16	15	0.32	0	---
Penis	3	---	3	---	0	---
Other Male Genital Organs	0	---	0	---	0	---
Urinary System	724	9.15	503	13.90	221	5.30
Urinary Bladder	379	5.01	268	7.97	111	2.74
Kidney	320	3.86	225	5.70	95	2.23
Renal Pelvis	6	---	2	---	4	---
Ureter	13	0.15	5	---	8	---
Other Urinary Organs	6	---	3	---	3	---
Eye and Orbit	5	---	3	---	2	---
Brain and Other Central Nervous System	320	3.73	191	4.66	129	2.92
Brain	318	3.71	190	4.64	128	2.90
Meninges	1	---	1	---	0	---
Spinal Cord, Cranial Nerves, & Other Parts of CNS	1	---	0	---	1	---
Endocrine System	54	0.65	31	0.82	23	0.53
Thyroid Gland	29	0.37	16	0.44	13	0.31
Adrenal Gland	14	0.16	8	---	6	---
Other Endocrine (Including Thymus)	11	0.12	7	---	4	---
Hodgkin's Lymphoma	39	0.44	23	0.51	16	0.36
Non-Hodgkin's Lymphoma	587	7.35	340	9.31	247	5.81
Multiple Myeloma	229	2.79	137	3.63	92	2.12
Leukemia	568	7.18	330	8.90	238	5.69
Lymphocytic	145	1.89	77	2.20	68	1.65
Acute Lymphocytic	24	0.26	12	0.26	12	0.26
Chronic Lymphocytic	109	1.45	59	1.73	50	1.23
Other Lymphocytic	12	0.18	6	---	6	---
Granulocytic (Myeloid)	233	2.87	136	3.55	97	2.28
Acute Myeloid	163	1.98	90	2.30	73	1.70
Chronic Myeloid	54	0.69	35	0.93	19	0.47
Other Myeloid	16	0.20	11	0.33	5	---
Monocytic	4	---	2	---	2	---
Acute Monocytic	2	---	0	---	2	---
Chronic Monocytic	1	---	1	---	0	---
Other Monocytic	1	---	1	---	0	---
Other	186	2.37	115	3.09	71	1.72
Other Acute	88	1.07	57	1.46	31	0.71
Other Chronic	8	---	5	---	3	---
Aleukemic, Subleukemic and NOS	90	1.17	53	1.41	37	0.92
Other, Ill-Defined and Unspecified Sites	1,513	19.28	857	23.38	656	15.79

* Those of unknown gender are not shown separately, but are included in the total.

**Rates are per 100,000 population and age-adjusted to the 2000 US Standard population.

Note: The "----" is used for rates calculated on numbers less than ten.

Table 15. Top Ten Types of Cancer Mortality by County/Region of Residence, Nevada Residents, 1996-2000

Rank	Type of Cancer	County/Region of Residence				
		Nevada Total	Clark	Washoe	All Other Counties	
1	Lung and Bronchus	Mortality	5,385	3,692	864	829
		Rate*	64.36	66.89	61.43	58.07
		95% C.I.	(62.6-66.2)	(64.7-69.2)	(57.3-65.8)	(54.1-62.3)
2	Colorectal	Mortality	1,792	1,223	294	275
		Rate*	22.91	23.60	21.96	21.05
		95% C.I.	(21.8-24.0)	(22.2-25.0)	(19.5-24.7)	(18.6-23.8)
3	Breast*	Mortality	1,128	759	218	151
		Rate*	26.10	26.43	28.82	21.75
		95% C.I.	(24.6-27.7)	(24.6-28.4)	(25.1-32.9)	(18.4-25.6)
4	Prostate*	Mortality	883	568	166	149
		Rate*	29.19	28.19	33.45	28.24
		95% C.I.	(27.1-31.5)	(25.6-31.0)	(28.2-39.5)	(23.6-33.7)
5	Pancreas	Mortality	810	556	125	129
		Rate*	9.95	10.34	9.11	9.33
		95% C.I.	(9.3-10.7)	(9.5-11.3)	(7.6-10.9)	(7.8-11.2)
6	Non-Hodgkin's Lymphoma	Mortality	587	395	100	92
		Rate*	7.35	7.60	7.09	6.77
		95% C.I.	(6.8-8.0)	(6.8-8.4)	(5.7-8.7)	(5.4-8.4)
7	Leukemia	Mortality	568	372	100	96
		Rate*	7.18	7.17	7.10	7.51
		95% C.I.	(6.6-7.8)	(6.4-8.0)	(5.8-8.7)	(6.0-9.3)
8	Liver and Intrahepatic Bile Ducts	Mortality	388	278	---	57
		Rate*	4.73	5.16	---	4.16
		95% C.I.	(4.3-5.3)	(4.6-5.9)	---	(3.1-5.5)
9	Urinary Bladder	Mortality	379	260	64	55
		Rate*	5.01	5.33	4.69	4.24
		95% C.I.	(4.5-5.6)	(4.7-6.1)	(3.6-6.1)	(3.2-5.6)
10	Esophagus	Mortality	368	---	72	---
		Rate*	4.26	---	5.00	---
		95% C.I.	(3.8-4.7)	---	(3.9-6.4)	---
---	Total	Mortality	16,806	11,300	2,878	2,628
		Rate*	207.63	210.94	208.92	193.56
		95% C.I.	(204.4-210.9)	(206.9-215.1)	(201.2-216.9)	(186.1-201.3)

* Rates are per 100,000 population and age-adjusted to the 2000 US Standard population. Gender specific cancers are per 100,000 gender-specific population and age-adjusted to the 2000 US Standard population.

Note: The "----" indicates that this type of cancer was not in the Top Ten for this specific region.

Table 16. Top Ten Types of Cancer Mortality by Age Group, Nevada Residents, 1996-2000

Ranking	Age Group								
	0-14	15-24	25-34	35-44	45-54	55-64	65-74	75+	Total
1	Brain and OCNS 12 30.0%	Leukemia 15 35.7%	Brain and OCNS 14 13.5%	Breast 90 18.8%	Lung and Bronchus 430 28.8%	Lung and Bronchus 1,174 36.0%	Lung and Bronchus 2,036 37.1%	Lung and Bronchus 1,659 28.2%	Lung and Bronchus 5,385 32.0%
2	Leukemia 11 27.5%	Brain and OCNS 3 7.1%	NHL 12 11.5%	Lung and Bronchus 77 16.1%	Breast 174 11.6%	Colorectal 308 9.4%	Colorectal 579 10.5%	Colorectal 736 12.5%	Colorectal 1,792 10.7%
3	Liver and IBD 2 5.0%	Liver and IBD 3 7.1%	Cervix Uteri 10 9.6%	Colorectal 43 9.0%	Colorectal 117 7.8%	Breast 241 7.4%	Prostate 283 5.2%	Prostate 521 8.8%	Breast 1,139 6.8%
4	NHL 1 2.5%	NHL 3 7.1%	Breast 8 7.7%	Brain and OCNS 30 6.3%	Pancreas 76 5.1%	Pancreas 169 5.2%	Pancreas 280 5.1%	Breast 347 5.9%	Prostate 883 5.3%
5	---	Breast 2 4.8%	Colorectal 8 7.7%	Skin 28 5.8%	NHL 59 3.9%	Esophagus 119 3.6%	Breast 277 5.0%	Pancreas 275 4.7%	Pancreas 810 4.8%
6	---	HL 2 4.8%	Lung and Bronchus 7 6.7%	Cervix Uteri 24 5.0%	Liver and IBD 56 3.7%	NHL 91 2.8%	NHL 167 3.0%	NHL 232 3.9%	NHL 587 3.5%
7	---	Colorectal 1 2.4%	Leukemia 6 5.8%	NHL 22 4.6%	Ovary 54 3.6%	Leukemia 86 2.6%	Leukemia 155 2.8%	Leukemia 226 3.8%	Leukemia 568 3.4%
8	---	LOCP 1 2.4%	Skin 5 4.8%	Leukemia 21 4.4%	Leukemia 48 3.2%	KRP 81 2.5%	Liver and IBD 126 2.3%	Urinary Bladder 180 3.1%	Liver and IBD 388 2.3%
9	---	Lung and Bronchus 1 2.4%	HL 4 3.8%	Stomach 14 2.9%	Skin 41 2.7%	Prostate 73 2.2%	Urinary Bladder 126 2.3%	Stomach 142 2.4%	Urinary Bladder 379 2.3%
10	---	Pancreas & Skin 1 (each) 2.4%	Ovary 2 1.9%	Esophagus 11 2.3%	Cervix Uteri 38 2.5%	Brain and OCNS 72 2.2%	Esophagus 115 2.1%	Liver and IBD 120 2.0%	Esophagus 368 2.2%
Sum	26	31	76	360	1,093	2,414	4,144	4,438	12,299
Percent	65.0%	73.8%	73.1%	75.2%	73.2%	74.0%	75.4%	75.3%	73.2%
Total	40 100.0%	42 100.0%	104 100.0%	479 100.0%	1,494 100.0%	3,262 100.0%	5,493 100.0%	5,891 100.0%	16,806 100.0%

Abbreviations: Brain and OCNS = Brain and Other Central Nervous System, CU & Uterus NOS = Corpus Uteri and Uterus NOS, HL = Hodgkin's Lymphoma, KRP = Kidney and Renal Pelvis, LOCP = Lip, Oral Cavity and Pharynx, Liver and IBD = Liver and Intrahepatic Bile Ducts, NHL = Non-Hodgkin's Lymphoma.
 Note: Those cases with unknown ages are not shown separately, but are included in the total.

Table 17. Median Age at Time of Death by Leading Types of Cancer and Race/Ethnicity, Nevada Residents, 1996-2000

Type of Cancer	Race/Ethnicity					
	White	Black	Native American	Asian	Hispanic	Total
Lung and Bronchus	70.0	66.0	68.0	68.5	66.0	70.0
Breast	68.0	62.5	58.0	54.5	59.0	67.0
Prostate	77.0	75.0	---	74.0	74.0	76.0
Colorectal	72.0	65.0	67.5	67.5	69.0	72.0
Urinary Bladder	74.0	77.0	---	69.0	70.0	74.0
Non-Hodgkin's Lymphoma	72.0	66.5	---	73.0	66.5	72.0
Kidney and Renal Pelvis	70.0	72.0	---	---	65.5	70.0
Leukemia	72.0	73.0	46.5	63.0	61.0	71.0
Lip, Oral Cavity and Pharynx	67.0	66.0	---	---	73.5	67.0
Pancreas	70.0	68.0	67.5	67.0	67.0	70.0
Skin	64.0	---	---	---	---	64.0
Corpus Uteri & Uterus NOS	70.0	67.0	---	68.0	67.0	70.0
Ovary	69.0	66.0	---	59.0	72.0	69.0
Thyroid Gland	71.0	---	---	---	---	71.0
Stomach	73.0	73.0	---	63.0	62.0	73.0
Brain and Other Central Nervous System	64.0	66.0	---	54.5	59.0	64.0
Cervix Uteri	54.0	53.0	---	48.0	52.0	53.0
Liver and Intrahepatic Bile Ducts	71.0	55.0	70.0	57.0	61.0	69.0
Esophagus	68.0	63.0	---	61.0	67.5	67.0
Larynx	68.5	62.5	---	---	---	68.0
Multiple Myeloma	71.5	67.0	---	60.0	69.5	71.0
Hodgkin's Lymphoma	62.0	---	---	---	---	61.0
All Other Sites	71.0	65.0	73.0	65.0	63.0	70.0
Total	71.0	66.0	68.0	65.0	65.0	70.0

Note: Those of other/unknown race/ethnicity are not shown separately, but are included in the total. Those deaths of other/unknown gender and/or unknown ages are not included in this table. The median age was not calculated for those numbers less than five.

SURVIVAL RATE

HIGHLIGHTS

- Thyroid Gland Cancer had the highest one-year survival rate of all types of cancer in Nevada from 1996 to 2000 with a rate of 96.1%. This was followed by Prostate, Breast, Uterine, and Skin Cancers, which had one-year survival rates of 94.4%, 94.2%, 92.0%, and 89.0%, respectively.
- Pancreatic Cancer had the lowest one-year survival rate of all types of cancer in Nevada from 1996 to 2000 with a rate of 21.9%. This was followed by Liver and Intrahepatic Bile Ducts, Stomach, Esophagus, and Lung and Bronchus Cancer, which had One-Year Survival rates of 23.8%, 31.9%, 35.8%, and 37.0%, respectively.
- The five types of cancer with the highest five-year survival rates in Nevada from 1996 to 2000 were Thyroid Gland (91.9%), Breast (72.8%), Hodgkin's Lymphoma (72.2%), Prostate (67.1%), and Cervix Uteri (62.2%) Cancers.
- The five types of cancer with the lowest five-year survival rates in Nevada from 1996 to 2000 were Pancreatic (3.3%), Liver and Intrahepatic Bile Ducts (4.9%), Esophagus (5.9%), Stomach (6.7%), and Lung and Bronchus (8.4%) Cancers.

Figure 20. Ten Highest One-Year Survival Rates by Type of Cancer, Nevada Residents, 1996-2000

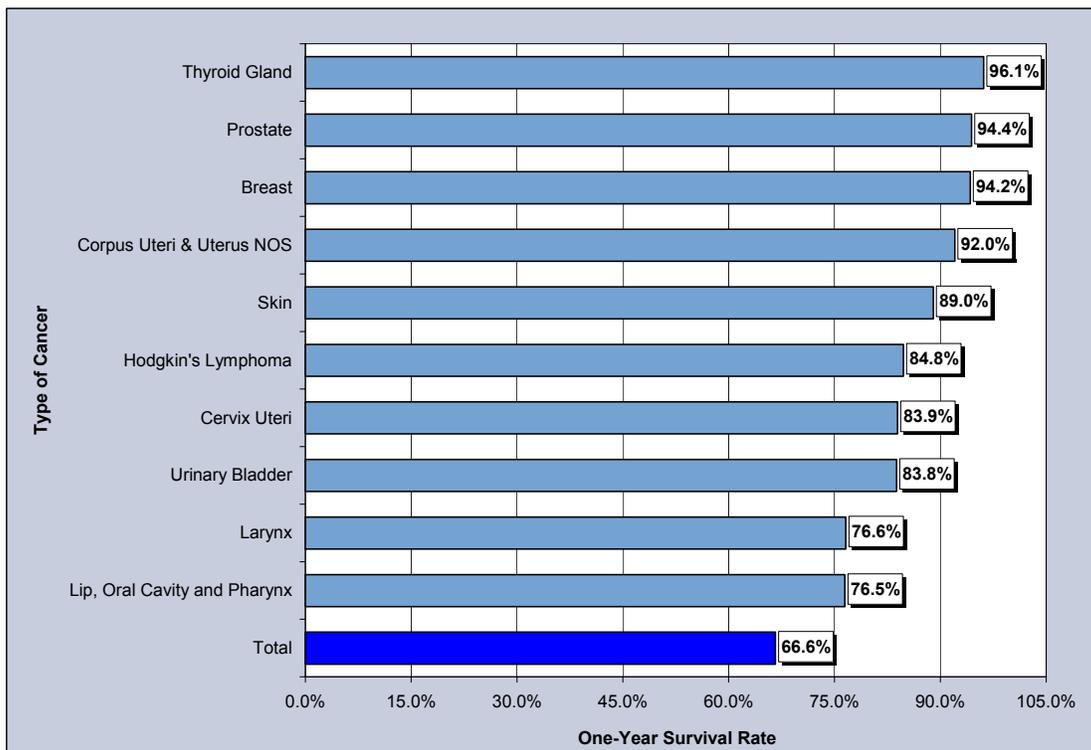


Figure 21. Ten Lowest One-Year Survival Rates by Type of Cancer, Nevada Residents, 1996-2000

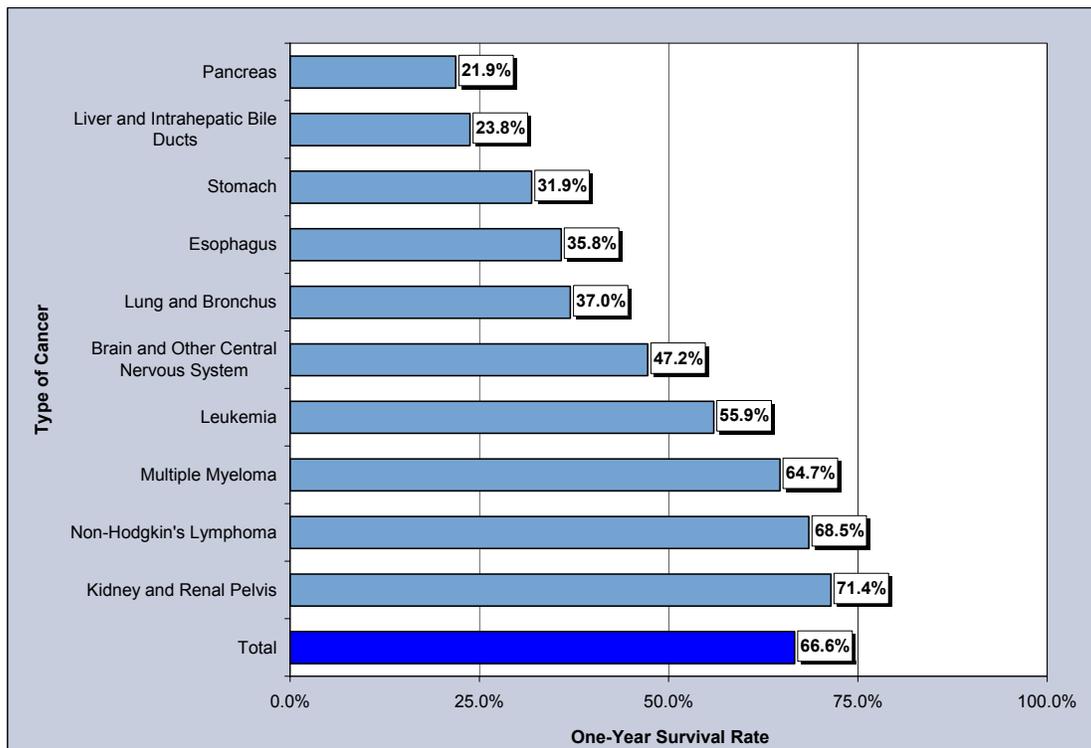


Figure 22. Ten Highest Five-Year Survival Rates by Type of Cancer, Nevada Residents, 1996-2000

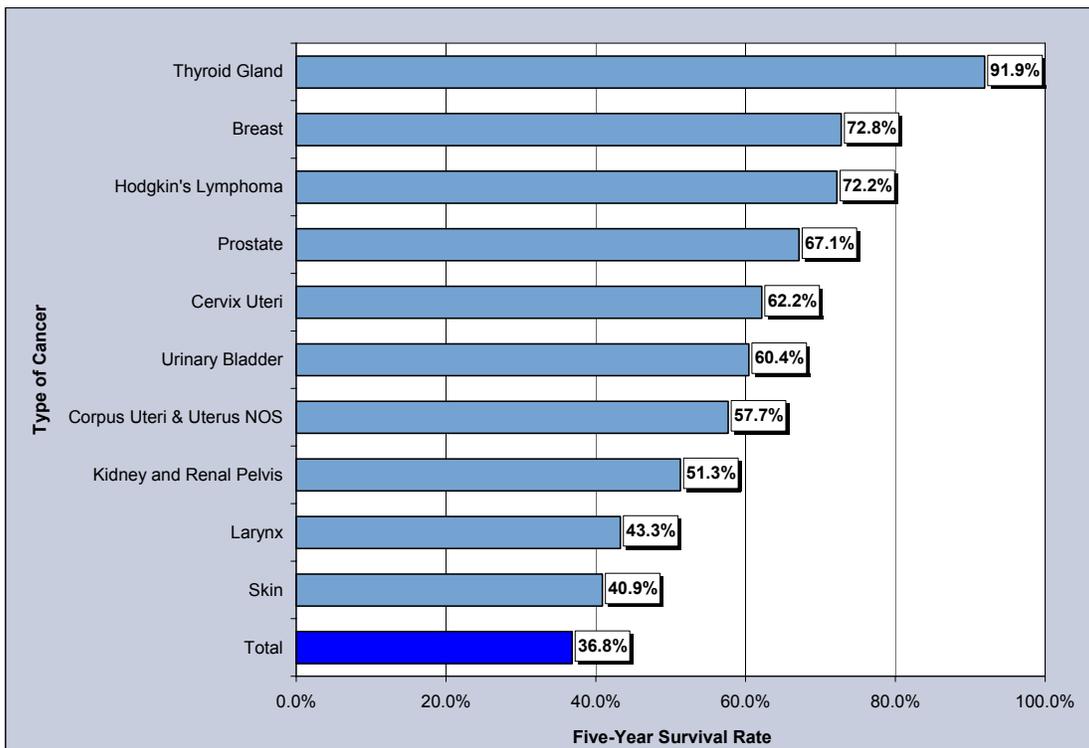


Figure 23. Ten Lowest Five-Year Survival Rates by Type of Cancer, Nevada Residents, 1996-2000

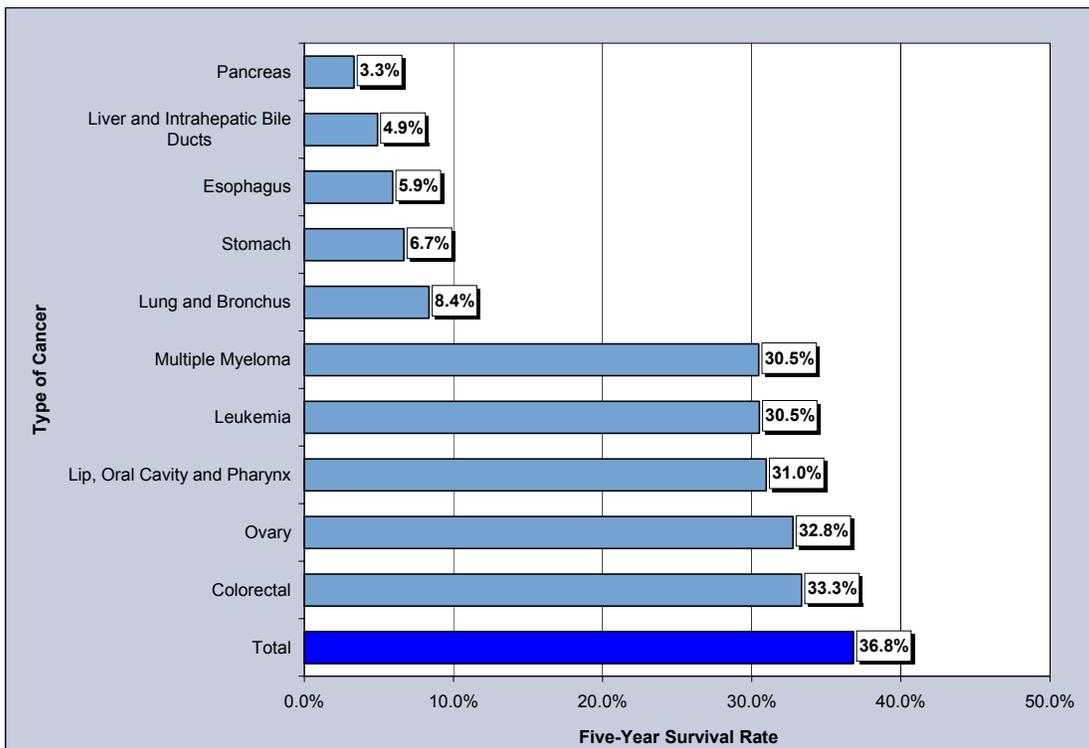


Table 18. One-Year, Five-Year and Median Survival Rates by Type of Cancer, Nevada Residents, 1996-2000

Type of Cancer	1-Year	5-Year	Median Survival (Years)
Lung and Bronchus	37.0%	8.4%	0.79
Colorectal	72.6%	33.3%	2.64
Breast	94.2%	72.8%	>5 years
Prostate	94.4%	67.1%	>5 years
Pancreas	21.9%	3.3%	0.64
Non-Hodgkin's Lymphoma	68.5%	35.0%	2.78
Leukemia	55.9%	30.5%	1.60
Liver and Intrahepatic Bile Ducts	23.8%	4.9%	0.66
Urinary Bladder	83.8%	60.4%	>5 years
Esophagus	35.8%	5.9%	0.78
Ovary	72.9%	32.8%	2.80
Stomach	31.9%	6.7%	0.73
Kidney and Renal Pelvis	71.4%	51.3%	>5 years
Brain and Other Central Nervous System	47.2%	33.9%	0.95
Skin	89.0%	40.9%	3.90
Multiple Myeloma	64.7%	30.5%	1.89
Lip, Oral Cavity and Pharynx	76.5%	31.0%	2.72
Larynx	76.6%	43.3%	3.48
Cervix Uteri	83.9%	62.2%	>5 years
Corpus Uteri & Uterus NOS	92.0%	57.7%	>5 years
Hodgkin's Lymphoma	84.8%	72.2%	>5 years
Thyroid Gland	96.1%	91.9%	>5 years
All Other Sites	59.4%	31.8%	1.78
Total	66.6%	36.8%	2.51

Notes: 1) The "---" indicates that survival rate could not be calculated due to small cell size. Caution should be used when interpreting survival rates based upon categories with a small number of cases. 2) These rates may not be directly comparable to National rates because of different methodologies. Caution should be used when trying to compare rates for Nevada and the Nation. For more information on the calculation of survival rates, please refer to Technical Notes section.

Table 19. One- and Five-Year Survival Rates by Type of Cancer and Gender, Nevada Residents, 1996-2000 (Revised)

Type of Cancer	Gender					
	Total		Male		Female	
	1-Year	5-Year	1-Year	5-Year	1-Year	5-Year
Lung and Bronchus	37.0%	8.4%	34.4%	8.2%	40.3%	8.6%
Colorectal	72.6%	33.3%	71.6%	36.9%	73.6%	28.7%
Breast	94.2%	72.8%	---	---	94.2%	72.8%
Prostate	94.4%	67.1%	94.4%	67.1%	---	---
Pancreas	21.9%	3.3%	21.7%	5.7%	22.1%	---
Non-Hodgkin's Lymphoma	68.5%	35.0%	68.8%	37.9%	68.1%	30.7%
Leukemia	55.9%	30.5%	55.2%	33.3%	57.1%	27.3%
Liver and Intrahepatic Bile Ducts	23.8%	4.9%	22.1%	6.0%	27.3%	4.8%
Urinary Bladder	83.8%	60.4%	85.0%	60.4%	80.0%	59.2%
Esophagus	35.8%	5.9%	35.3%	11.5%	37.5%	0.0%
Ovary	72.9%	32.8%	---	---	72.9%	32.8%
Stomach	31.9%	6.7%	32.4%	5.9%	31.0%	10.4%
Kidney and Renal Pelvis	71.4%	51.3%	70.3%	50.0%	73.5%	55.0%
Brain and Other Central Nervous System	47.2%	33.9%	44.0%	26.9%	51.3%	42.3%
Skin	89.0%	40.9%	86.6%	46.0%	92.8%	32.5%
Multiple Myeloma	64.7%	30.5%	59.6%	25.6%	73.6%	38.3%
Lip, Oral Cavity and Pharynx	76.5%	31.0%	76.1%	33.6%	77.2%	28.5%
Larynx	76.6%	43.3%	76.8%	35.7%	75.9%	61.5%
Cervix Uteri	83.9%	62.2%	---	---	83.9%	62.2%
Corpus Uteri & Uterus NOS	92.0%	57.7%	---	---	92.0%	57.7%
Hodgkin's Lymphoma	84.8%	72.2%	81.0%	70.3%	89.7%	74.4%
Thyroid Gland	96.1%	91.9%	88.7%	82.3%	98.3%	94.8%
All Other Sites	59.4%	31.8%	63.3%	35.9%	52.8%	25.4%
Total	66.6%	36.8%	62.8%	33.6%	70.6%	40.1%

Notes: 1) The "---" indicates that survival rate could not be calculated due to small cell size. Caution should be used when interpreting survival rates based upon categories with a small number of cases. 2) Those cases where the gender and/or race/ethnicity were other/unknown, are not shown separately, but are included in the category totals. 3) These rates may not be directly comparable to National rates because of different methodologies. Caution should be used when trying to compare rates for Nevada and the Nation. For more information on the calculation of survival rates, please refer to Technical Notes section.

Table 20. One- and Five-Year Survival Rates by Type of Cancer and Race/Ethnicity, Nevada Residents, 1996-2000 (Revised)

Type of Cancer		Race/Ethnicity					
		Total	White	Black	Native American	Asian	Hispanic
Lung and Bronchus	1-Year	37.0%	36.6%	38.5%	---	44.9%	42.9%
	5-Year	8.4%	8.4%	3.5%	---	10.6%	---
Colorectal	1-Year	72.6%	72.1%	75.6%	---	76.2%	75.0%
	5-Year	33.3%	32.5%	39.6%	---	---	34.5%
Breast	1-Year	94.2%	94.4%	86.5%	---	95.7%	96.7%
	5-Year	72.8%	73.9%	47.5%	---	87.8%	62.8%
Prostate	1-Year	94.4%	94.0%	96.6%	---	---	100.0%
	5-Year	67.1%	65.7%	75.2%	---	---	91.3%
Pancreas	1-Year	21.9%	21.9%	20.9%	---	---	---
	5-Year	3.3%	2.7%	---	---	---	---
Non-Hodgkin's Lymphoma	1-Year	68.5%	68.3%	---	---	---	---
	5-Year	35.0%	34.7%	---	---	---	---
Leukemia	1-Year	55.9%	53.5%	---	---	---	67.3%
	5-Year	30.5%	28.3%	---	---	---	38.1%
Liver and Intrahepatic Bile Ducts	1-Year	23.8%	22.8%	---	---	---	---
	5-Year	4.9%	8.2%	---	---	---	---
Urinary Bladder	1-Year	83.8%	83.9%	---	---	---	---
	5-Year	60.4%	60.9%	---	---	---	---
Esophagus	1-Year	35.8%	34.5%	---	---	---	---
	5-Year	5.9%	6.3%	---	---	---	---
Ovary	1-Year	72.9%	72.5%	---	---	---	---
	5-Year	32.8%	31.8%	---	---	---	---
Stomach	1-Year	31.9%	31.9%	---	---	---	---
	5-Year	6.7%	4.9%	---	---	---	---
Kidney and Renal Pelvis	1-Year	71.4%	70.4%	---	---	---	---
	5-Year	51.3%	49.0%	---	---	---	---
Brain and Other Central Nervous System	1-Year	47.2%	45.8%	---	---	---	---
	5-Year	33.9%	31.2%	---	---	---	---
Skin	1-Year	89.0%	88.9%	---	---	---	---
	5-Year	40.9%	40.7%	---	---	---	---
Multiple Myeloma	1-Year	64.7%	64.5%	---	---	---	---
	5-Year	30.5%	27.4%	---	---	---	---
Lip, Oral Cavity and Pharynx	1-Year	76.5%	76.4%	---	---	---	---
	5-Year	31.0%	31.3%	---	---	---	---
Larynx	1-Year	76.6%	77.1%	---	---	---	---
	5-Year	43.3%	42.5%	---	---	---	---
Cervix Uteri	1-Year	83.9%	81.3%	---	---	---	---
	5-Year	62.2%	60.7%	---	---	---	---
Corpus Uteri & Uterus NOS	1-Year	92.0%	92.3%	---	---	---	---
	5-Year	57.7%	58.7%	---	---	---	---
Hodgkin's Lymphoma	1-Year	84.8%	85.7%	---	---	---	---
	5-Year	72.2%	70.7%	---	---	---	---
Thyroid Gland	1-Year	96.1%	96.0%	---	---	---	---
	5-Year	91.9%	94.2%	---	---	---	---
All Other Sites	1-Year	59.4%	59.5%	49.1%	---	---	65.8%
	5-Year	31.8%	31.3%	22.6%	---	---	37.5%
Total	1-Year	66.6%	66.4%	63.5%	54.1%	67.2%	72.1%
	5-Year	36.8%	36.5%	28.4%	41.8%	48.9%	43.0%

Notes: 1) The “---” indicates that survival rate could not be calculated due to small cell size. Caution should be used when interpreting survival rates based upon categories with a small number of cases. 2) Those cases where the gender and/or race/ethnicity were other/unknown, are not shown separately, but are included in the category totals. 3) These rates may not be directly comparable to National rates because of different methodologies. Caution should be used when trying to compare rates for Nevada and the Nation. For more information on the calculation of survival rates, please refer to Technical Notes section.

ALL CANCERS

ALL CANCERS

HIGHLIGHTS

- The ratio of the cancer age-adjusted incidence rate, 449.2, to the age-adjusted mortality rate, 207.6 (per 100,000 – 2000 US Standard population), was 2.16 during the 1996 to 2000 period, which means that for every 2.16 cancer cases there was one death due to Cancer in Nevada during this period.
- Nevadan females had a higher ratio than males when the cancer incidence and cancer mortality age-adjusted rates were compared. For every female death due to Cancer there was 2.35 female cases while there were 2.03 male cases for every male Cancer death in Nevada from 1996 to 2000.
- The median age at diagnosis of cancer was 66 years of age for Nevada residents from 1996 to 2000. The median age at time of death due to Cancer was 70 years. The median age at diagnosis for females was lower than the age for males, 65 and 67 years, respectively, while the median age at time of death was 71 years for females and 70 years for males.

INCIDENCE

- Nevada's lower cancer incidence rate (449.2) was statistically significant when compared to the 1995-1999 National rate of 483.4 (per 100,000 – 2000 US Standard population) from 1996 to 2000.
- There were 38,261 Resident Cancer cases reported in Nevada from 1996 to 2000. Statistical significance tests show that Washoe County had the highest age-adjusted incidence rate of cancer once regional comparisons were made, with a rate of 496.4. Clark County and All Other Counties, as a region, followed with rates of 441.1 and 433.6 (per 100,000 population – 2000 US Standard population), respectively. Washoe County's rate showed slight statistical significance over the 1995-1999 National rate of 483.4, while Clark County and All Other Counties were lower than the National rate.
- Whites, as a racial/ethnic group, accounted for 88.7% of all reported cancer cases in Nevada during the 1996 to 2000 period. Their statistically significant higher age-adjusted incidence rate of 483.5 was 153.8%, 140.7%, 94.1%, and 14.8% greater than the rates for Native Americans (190.5), Hispanics (200.9), Asians (190.5) and Blacks (421.3), respectively, during this period.
- Males had a statistically significant higher age-adjusted cancer incidence rate, 497.4 (490.0-504.9) over the female rate of 414.0 (408.0-420.1) during the 1996 to 2000 period. However, both had statistically significant lower rates when compared to their national counterparts who had rates of 549.8 (548.0-551.5) and 443.1 (441.7-444.5), respectively.

INPATIENT HOSPITAL DISCHARGES

- There were 32,109 hospital inpatient discharges for a primary diagnosis of Cancer to Nevada Residents from 1996 to 2000. Clark County had the highest cancer age-adjusted inpatient discharge rate, 393.8 (388.6-399.1), once regional comparisons were made and showed statistical significance over the rates for Nevada overall, Washoe County, and All Other Counties who had rates of 372.2 (368.1-376.4), 356.3 (346.6-366.3), 301.6 (292.5-311.0) (per 100,000 – 2000 US Standard population), respectively, during this period.
- Total billed charges for hospital inpatient discharges due to a primary diagnosis for Cancer in Nevada totaled over 922.3 million dollars from 1996 to 2000. Nevadans in the 1-4 year age group had the highest median total billed amount at \$34,057 during this period. The overall average billed charge per day for a hospital inpatient discharge due to Cancer was approximately \$4,080 in Nevada from 1996 to 2000.

MORTALITY

- There were 16,806 resident deaths due to Cancer in Nevada from 1996 to 2000, which was the second leading cause of death during this period. Males had a 39.2% higher statistically significant age-adjusted mortality rate, 247.1 (241.6-252.7) than the female rate of 177.5 (173.5-181.6), per 100,000 – 2000 US Standard population, in Nevada during this period.
- Racial/ethnic comparisons showed that Blacks and Whites, as racial/ethnic groups, had the highest statistically significant cancer age-adjusted mortality rates of 233.3 (216.8-251.0) and 219.0 (215.4-222.7), respectively, of all racial/ethnic groups. They were followed by Native Americans, Asians and Hispanics who had age-adjusted mortality rates of 125.1 (100.6-154.7), 122.6 (106.3-141.9) and 98.6 (88.8-109.5), respectively from 1996 to 2000.

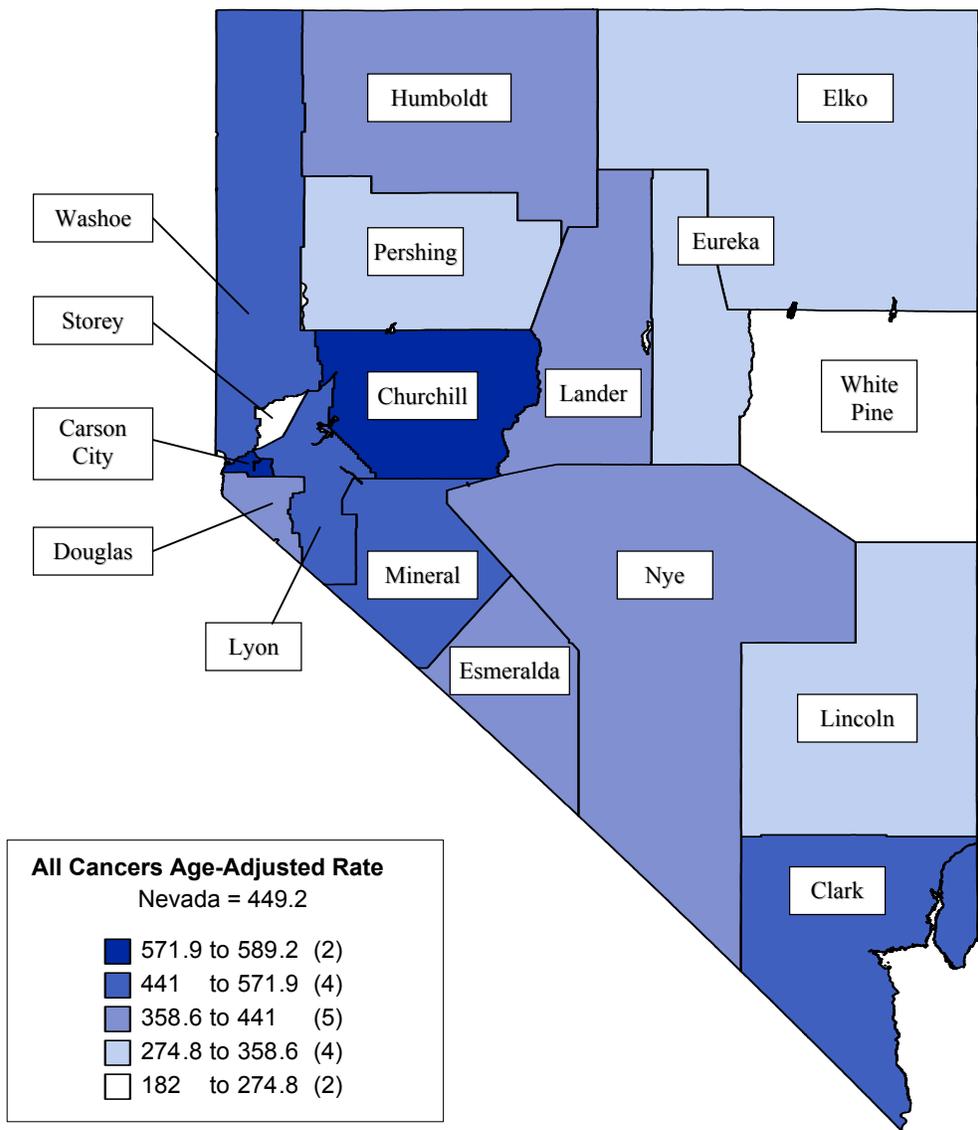
SURVIVAL RATE

- The one-year survival rate for Cancer in Nevada was 66.6% during the 1996 to 2000 period, while the five-year survival rate was 36.8% during this same time. The median survival rate in Nevada was 2.51 years.
- Females in Nevada had a higher one-year survival rate (70.6%) than males (62.8%) for all cancers during the 1996 to 2000 period. This trend was similar for the five-year survival rate and the median survival time with females and males at 40.1% and 33.6%, respectively, and 3.12 and 1.94 years, respectively.
- Hispanics, as a racial/ethnic group, had the highest One-Year Survival Rate for all cancers (72.1%) in the State, and were followed by Asians, Whites, Blacks, and Native Americans, with rates of 67.2%, 66.4%, 63.5%, and 54.1%, respectively, during the 1996 to 2000 period.

- While Native Americans had the lowest one-year survival rate for all cancers in Nevada at 54.1%, Blacks had the lowest five-year survival rate at 28.1% during the 1996-2000 period.
- The five-year survival rate for those diagnosed at the in situ stage was 94.2% for Nevada from 1996 to 2000. The rate for those at the localized stage was 69.6%, while those recorded at the regional, distant and unstaged stages had rates of 32.8%, 8.4% and 14.6%, respectively.
- While the Median Survival time for those diagnosed at the in situ or localized stages was over five years for all types of cancer, those diagnosed at the regional, distant and unstaged levels had median survival times of 2.59, 0.77 and 0.90 years, respectively, for Nevada during the 1996 to 2000 period.

INCIDENCE

Figure 24. Age-Adjusted (2000) Incidence Rates for All Cancers, Nevada Residents, 1996-2000



Note: Rates are per 100,000 population and age-adjusted to 2000 US Standard population. Caution should be used when interpreting rates based upon small numbers. See Technical notes for more information.

Figure 25. All Cancers Age-Adjusted Incidence Rates by County/Region of Residence, Nevada Residents, 1996-2000

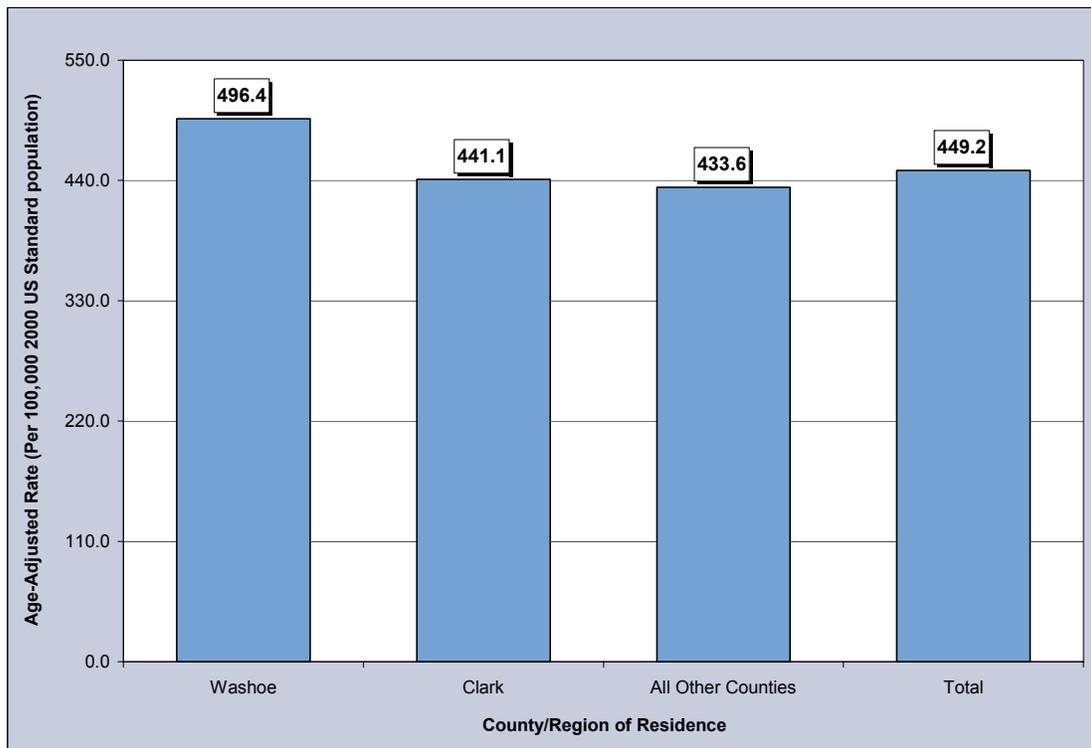


Figure 26. All Cancers Age-Adjusted Incidence Rates by Race/Ethnicity, Nevada Residents, 1996-2000

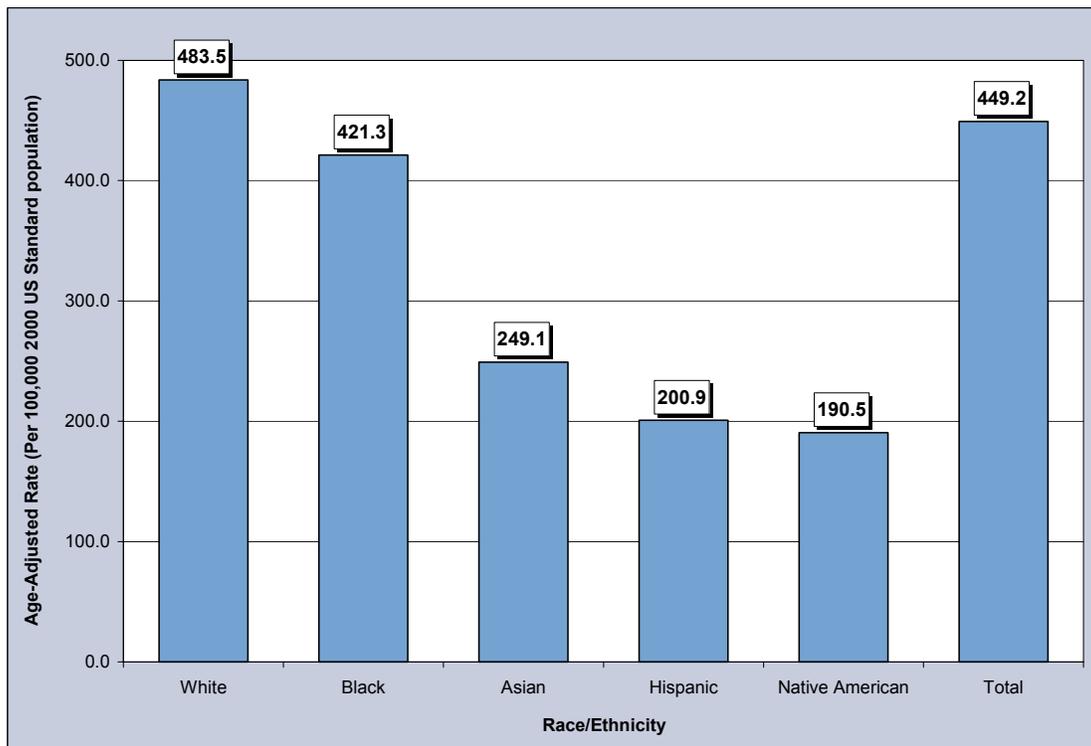


Table 21. All Cancers Cases by Gender, Race/Ethnicity and County/Region of Residence at Diagnosis, Nevada Residents (1996-2000) and SEER-11 (1995-1999)

Category	County/Region of Residence					SEER 11 (1995-1999)
	Nevada Total	Clark	Washoe	All Other Counties	Unknown	
Total						
Cases	38,261	24,899	7,248	6,099	15	815,121
Rate*	449.2	441.1	496.4	433.6	---	483.4
95% C.I.	(444.6-453.9)	(435.4-446.8)	(484.9-508.2)	(422.6-444.8)	---	(482.4-484.5)
Gender						
Male	19,907	12,708	3,819	3,369	11	401,657
Rate*	497.4	480.5	566.5	496.6	---	549.8
95% C.I.	(490.0-504.9)	(471.5-489.8)	(547.7-586.0)	(479.3-514.6)	---	(548.0-551.5)
Female	18,347	12,190	3,425	2,728	4	413,464
Rate*	414.0	414.4	444.4	380.6	---	443.1
95% C.I.	(408.0-420.1)	(407.0-421.9)	(429.6-459.6)	(366.3-395.2)	---	(441.7-444.5)
Other/Unknown	7	1	4	2	0	0
Race/Ethnicity						
White	33,946	21,370	6,737	5,827	12	670,866
Rate*	483.5	479.0	529.3	455.1	---	488.0
95% C.I.	(478.3-488.8)	(472.4-485.6)	(516.6-542.3)	(443.3-467.2)	---	(486.8-489.1)
Black	1,723	1,568	116	39	0	75,145
Rate*	421.3	417.7	484.1	489.6	---	529.9
95% C.I.	(400.2-443.6)	(395.6-441.2)	(397.1-587.0)	(345.3-680.9)	---	(526.0-533.8)
Native American	165	45	50	70	0	2,084
Rate*	190.5	135.4	280.6	193.7	---	182.6
95% C.I.	(160.8-225.1)	(95.7-191.0)	(201.2-387.3)	(149.9-247.9)	---	(174.4-174.4)
Asian	837	663	140	32	2	56,521
Rate*	249.1	247.3	253.4	249.4	---	359.3
95% C.I.	(228.5-272.3)	(224.0-274.1)	(206.1-317.3)	(157.0-398.9)	---	(356.3-362.3)
Hispanic	1,346	1,022	198	125	1	58,332
Rate*	200.9	199.6	210.9	198.5	---	322.5
95% C.I.	(188.2-214.6)	(185.0-215.5)	(177.4-252.1)	(160.2-245.1)	---	(319.7-325.3)
Other/Unknown	244	231	7	6	0	10,505

* Rates are per 100,000 population and age-adjusted to the 2000 US Standard population.

Note: The "----" is used for rates calculated on numbers less than ten. Caution should be used when comparing rates for racial/ethnic groups to the National (SEER) rates. See Technical Notes for more information.

Table 22. All Cancers Cases by Age Group and County/Region of Residence at Diagnosis, Nevada Residents (1996-2000) and SEER-11 (1995-1999)

Category	County/Region of Residence					SEER 11 (1995-1999)
	Nevada Total	Clark	Washoe	All Other Counties	Unknown	
Total						
Cases	38,261	24,899	7,248	6,099	15	815,121
Rate*	411.3	395.5	442.6	445.2	---	440.2
95% C.I.	(407.2-415.4)	(390.6-400.4)	(432.4-452.8)	(434.0-456.3)	---	(439.2-441.1)
Age Group						
<1	30	19	5	6	0	619
Rate*	21.5	19.4	---	---	---	22.3
95% C.I.	(13.8-29.2)	(10.7-28.1)	---	---	---	(20.6-24.1)
1-4	89	62	12	15	0	2,248
Rate*	16.3	16.3	12.7	20.5	---	20.2
95% C.I.	(12.9-19.6)	(12.3-20.4)	(5.5-20.0)	(10.1-30.9)	---	(19.3-21.0)
5-14	142	94	24	24	0	3,183
Rate*	10.7	10.6	10.6	11.5	---	11.9
95% C.I.	(9.0-12.5)	(8.4-12.7)	(6.4-14.8)	(6.9-16.1)	---	(11.5-12.3)
15-24	254	162	45	45	2	6,785
Rate*	19.9	18.6	19.8	24.8	---	26.3
95% C.I.	(17.4-22.3)	(15.7-21.5)	(14.0-25.6)	(17.6-32.1)	---	(25.6-26.9)
25-34	817	574	153	89	1	21,091
Rate*	57.1	56.3	60.6	56.0	---	72.1
95% C.I.	(53.2-61.0)	(51.7-60.9)	(51.0-70.2)	(44.4-67.6)	---	(71.1-73.0)
35-44	2,103	1,371	459	273	0	53,676
Rate*	140.8	138.4	165.3	120.9	---	171.8
95% C.I.	(134.8-146.8)	(131.1-145.8)	(150.2-180.4)	(106.6-135.2)	---	(170.3-173.2)
45-54	4,831	3,149	970	710	2	107,078
Rate*	399.6	397.5	431.9	369.2	---	467.9
95% C.I.	(388.3-410.8)	(383.6-411.4)	(404.8-459.1)	(342.0-396.3)	---	(465.1-470.7)
55-64	8,567	5,696	1,527	1,342	2	155,741
Rate*	995.2	979.6	1,079.5	972.8	---	1,112.3
95% C.I.	(974.1-1,016.3)	(954.2-1,005.1)	(1,025.3-1,133.6)	(920.8-1,024.9)	---	(1,106.8-1,117.9)
65-74	11,877	7,640	2,236	1,997	4	228,518
Rate*	1,915.9	1,842.9	2,217.0	1,911.2	---	1,980.7
95% C.I.	(1,881.4-1,950.4)	(1,801.6-1,884.2)	(2,125.2-2,308.9)	(1,827.3-1,995.0)	---	(1,972.6-1,988.9)
75-84	7,723	4,979	1,458	1,282	4	179,105
Rate*	2,356.3	2,302.4	2,649.5	2,269.9	---	2,464.1
95% C.I.	(2,303.7-2,408.8)	(2,238.4-2,366.4)	(2,513.5-2,785.5)	(2,145.6-2,394.1)	---	(2,452.7-2,475.5)
85+	1,822	1,147	359	316	0	57,077
Rate*	2,586.2	2,677.4	2,490.3	2,395.0	---	2,301.4
95% C.I.	(2,467.5-2,705.0)	(2,522.4-2,832.3)	(2,232.7-2,747.9)	(2,131.0-2,659.1)	---	(2,282.5-2,320.2)
Unknown	6	6	0	0	0	0

*Rates are per 100,000 age-specific population.

Note: The "----" is used for rates calculated on numbers less than ten and SEER numbers less than five. See Technical Notes for more information.

Table 23. All Cancers Cases by County of Residence at Diagnosis, Nevada Residents, 1996-2000

County of Residence at Diagnosis	1996-2000 Incidence				
	Cases	Rate*		Age-Adjusted Rate**	
		Rate	95% C.I.	Rate	95% C.I.
Carson City	1,613	658.1	(625.9-690.2)	571.9	(544.1-600.9)
Churchill	661	560.3	(517.5-603.0)	589.2	(544.8-636.6)
Clark	24,899	395.5	(390.6-400.4)	441.1	(435.4-446.8)
Douglas	862	431.3	(402.5-460.0)	373.1	(347.6-400.6)
Elko	372	162.3	(145.8-178.8)	299.7	(267.0-335.8)
Esmeralda	27	505.0	(314.5-695.5)	424.1	(270.4-672.3)
Eureka	23	271.5	(160.5-382.5)	274.9	(172.5-443.3)
Humboldt	222	264.4	(229.7-299.2)	358.6	(310.6-413.3)
Lander	81	252.7	(197.7-307.7)	372.9	(291.8-472.1)
Lincoln	81	397.5	(310.9-484.1)	322.1	(254.8-409.6)
Lyon	955	590.2	(552.8-627.7)	518.0	(485.0-553.1)
Mineral	167	606.7	(514.7-698.7)	469.7	(399.5-551.8)
Nye	802	540.3	(502.9-577.7)	400.2	(371.1-431.9)
Pershing	76	266.5	(206.6-326.5)	309.1	(242.9-389.7)
Storey	38	212.8	(145.1-280.4)	182.1	(123.2-281.6)
Washoe	7,248	442.6	(432.4-452.8)	496.6	(485.1-508.4)
White Pine	119	272.8	(223.8-321.9)	240.5	(199.0-289.3)
Unknown	15	---	---	---	---
Total	38,261	411.3	(407.2-415.4)	449.2	(444.6-453.9)

Note: The “---“ is used for rates calculated on numbers less than ten. *Rates are per 100,000 population. **Rates are per 100,000 population and are age-adjusted to the 2000 US Standard population.

Table 24. All Cancers Cases by Race/Ethnicity and Gender, Nevada Residents, 1996-2000

Race/Ethnicity	Gender				
	Male	Female	Other/Unknown	Total	
White	Incidence	17,756	16,183	7	33,946
	Rate*	529.2	450.5	---	483.5
	95% C.I.	(520.9-537.5)	(443.6-457.6)	---	(478.3-488.8)
Black	Incidence	910	813	0	1,723
	Rate*	494.5	367.1	---	421.3
	95% C.I.	(457.9-534.6)	(341.1-394.8)	---	(400.2-443.6)
Native American	Incidence	77	88	0	165
	Rate*	207.8	182.5	---	190.5
	95% C.I.	(157.4-274.8)	(144.9-227.6)	---	(160.8-225.1)
Asian	Incidence	357	480	0	837
	Rate*	270.6	232.2	---	249.1
	95% C.I.	(236.7-310.9)	(207.3-261.8)	---	(228.5-272.3)
Hispanic	Incidence	706	640	0	1,346
	Rate*	239.6	172.6	---	200.9
	95% C.I.	(217.6-264.5)	(157.4-189.4)	---	(188.2-214.6)
Other/Unknown	101	143	0	244	
Total	Incidence	19,907	18,347	7	38,261
	Rate*	497.4	414.0	---	449.2
	95% C.I.	(490.0-504.9)	(408.0-420.1)	---	(444.6-453.9)

Note: The “---“ is used for rates calculated on numbers less than ten. *Rates are per 100,000 population and age-adjusted to the 2000 US Standard population.

Table 25. All Cancers Cases by Age Group and Gender, Nevada Residents, 1996-2000

Age Group	Gender			
	Male	Female	Other/ Unknown	Total
<1	17	13	0	30
Rate*	23.8	19.0	---	21.5
95% C.I.	(12.5-35.2)	(8.7-29.4)	---	(13.8-29.2)
1-4	47	42	0	89
Rate*	16.8	15.7	---	16.3
95% C.I.	(12.0-21.6)	(10.9-20.4)	---	(12.9-19.6)
5-14	78	64	0	142
Rate*	11.4	10.0	---	10.7
95% C.I.	(8.9-14.0)	(7.5-12.4)	---	(9.0-12.5)
15-24	123	131	0	254
Rate*	18.5	21.3	---	19.9
95% C.I.	(15.3-21.8)	(17.6-24.9)	---	(17.4-22.3)
25-34	311	505	1	817
Rate*	41.8	73.5	---	57.1
95% C.I.	(37.1-46.4)	(67.1-79.9)	---	(53.2-61.0)
35-44	725	1,378	0	2,103
Rate*	93.9	190.9	---	140.8
95% C.I.	(87.1-100.8)	(180.8-200.9)	---	(134.8-146.8)
45-54	2,054	2,775	2	4,831
Rate*	335.4	465.1	---	399.6
95% C.I.	(320.9-349.9)	(447.8-482.4)	---	(388.3-410.8)
55-64	4,750	3,816	1	8,567
Rate*	1,107.9	883.1	---	995.2
95% C.I.	(1,076.4-1,139.4)	(855.1-911.1)	---	(974.1-1,016.3)
65-74	6,869	5,006	2	11,877
Rate*	2,246.7	1,593.4	---	1,915.9
95% C.I.	(2,193.6-2,299.8)	(1,549.2-1,637.5)	---	(1,881.4-1,950.4)
75-84	4,121	3,602	0	7,723
Rate*	2,794.4	1,997.9	---	2,356.3
95% C.I.	(2,709.1-2,879.7)	(1,932.7-2,063.2)	---	(2,303.7-2,408.8)
85+	808	1,013	1	1,822
Rate*	3,563.7	2,120.3	---	2,586.2
95% C.I.	(3,317.9-3,809.4)	(1,989.7-2,250.9)	---	(2,467.5-2,705.0)
Unknown	4	2	0	6
Total	19,907	18,347	7	38,261
Rate*	420.9	401.2	---	411.3
95% C.I.	(415.0-426.7)	(395.4-407.0)	---	(407.2-415.4)

Rates are per 100,000 age-specific population.

Note: The "----" is used for rates calculated on numbers less than ten.

Table 26. All Cancers Cases by Age Group and Stage, Nevada Residents, 1996-2000

Age Group		Stage					Total
		In situ	Localized	Regional	Distant	Unstaged	
<1	Number	0	6	2	12	10	30
	Percent	---	20.0%	6.7%	40.0%	33.3%	100.0%
1-4	Number	0	26	4	42	17	89
	Percent	---	29.2%	4.5%	47.2%	19.1%	100.0%
5-14	Number	0	42	8	70	22	142
	Percent	---	29.6%	5.6%	49.3%	15.5%	100.0%
15-24	Number	2	119	32	66	35	254
	Percent	0.8%	46.9%	12.6%	26.0%	13.8%	100.0%
25-34	Number	11	409	155	128	114	817
	Percent	1.3%	50.1%	19.0%	15.7%	14.0%	100.0%
35-44	Number	82	968	455	338	260	2,103
	Percent	3.9%	46.0%	21.6%	16.1%	12.4%	100.0%
45-54	Number	259	1,924	988	888	772	4,831
	Percent	5.4%	39.8%	20.5%	18.4%	16.0%	100.0%
55-64	Number	264	3,254	1,781	1,700	1,568	8,567
	Percent	3.1%	38.0%	20.8%	19.8%	18.3%	100.0%
65-74	Number	333	4,518	2,167	2,292	2,567	11,877
	Percent	2.8%	38.0%	18.2%	19.3%	21.6%	100.0%
75-84	Number	188	2,585	1,226	1,469	2,255	7,723
	Percent	2.4%	33.5%	15.9%	19.0%	29.2%	100.0%
85+	Number	26	469	255	291	781	1,822
	Percent	1.4%	25.7%	14.0%	16.0%	42.9%	100.0%
Unknown	Number	0	0	1	2	3	6
	Percent	---	---	16.7%	33.3%	50.0%	100.0%
Total	Number	1,165	14,320	7,074	7,298	8,404	38,261
	Percent	3.0%	37.4%	18.5%	19.1%	22.0%	100.0%

Table 27. Cancer Incidence by Stage and Race/Ethnicity, Nevada Residents, 1996-2000

Stage		Race/Ethnicity						Total
		White	Black	Native American	Asian	Hispanic	Other/Unknown	
In situ	Number	1,039	31	3	27	36	29	1,165
	Percent	3.1%	1.8%	1.8%	3.2%	2.7%	11.9%	3.0%
Localized	Number	12,864	545	42	264	470	135	14,320
	Percent	37.9%	31.6%	25.5%	31.5%	34.9%	55.3%	37.4%
Regional	Number	6,240	340	27	181	248	38	7,074
	Percent	18.4%	19.7%	16.4%	21.6%	18.4%	15.6%	18.5%
Distant	Number	6,351	383	38	188	321	17	7,298
	Percent	18.7%	22.2%	23.0%	22.5%	23.8%	7.0%	19.1%
Unstaged	Number	7,452	424	55	177	271	25	8,404
	Percent	22.0%	24.6%	33.3%	21.1%	20.1%	10.2%	22.0%
Total	Number	33,946	1,723	165	837	1,346	244	38,261
	Percent	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%

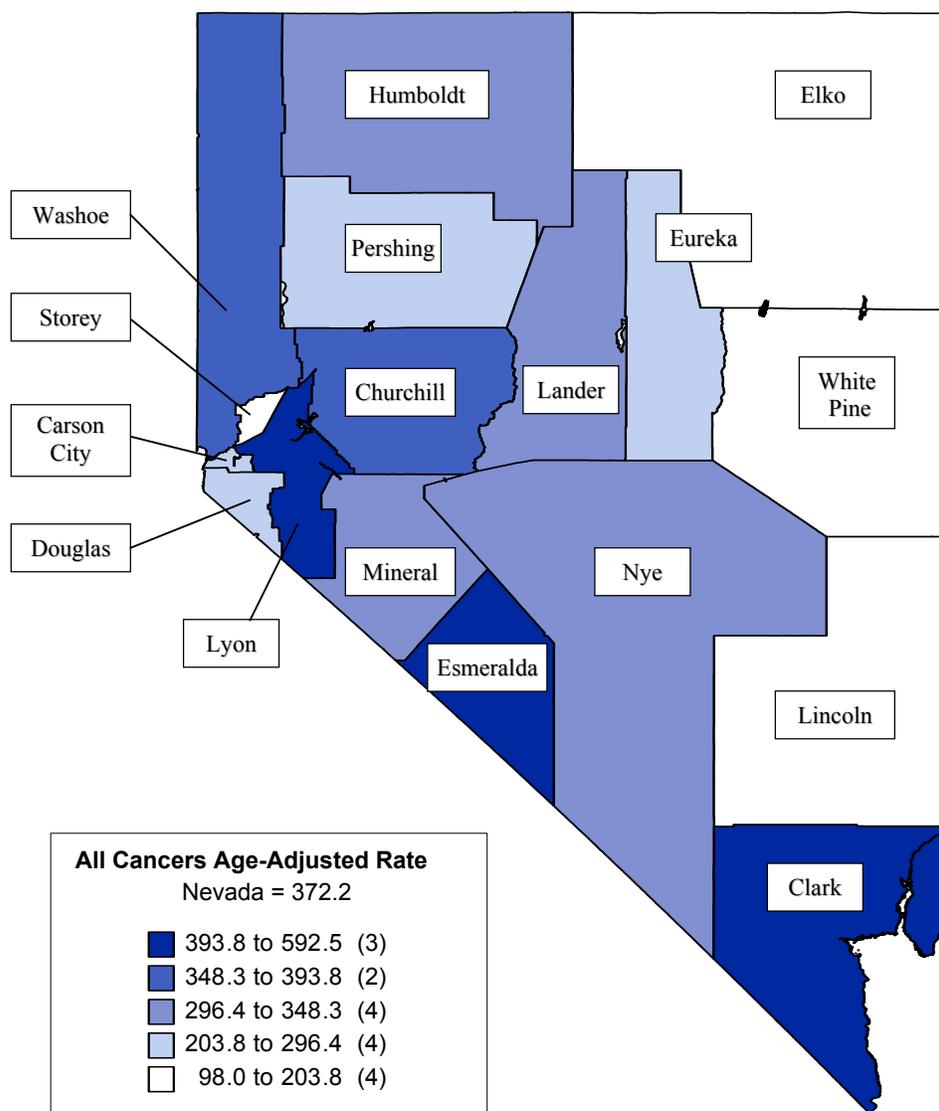
Table 28. Median Age at Diagnosis of All Cancers by Race/Ethnicity and Gender, Nevada Residents, 1996-2000

Race/Ethnicity	Gender					
	Male		Female		Total	
	Incidence	Median Age	Incidence	Median Age	Incidence	Median Age
White	17,752	68.0	16,181	66.0	33,933	67.0
Black	910	64.0	813	62.0	1,723	63.0
Native American	77	65.0	88	65.0	165	65.0
Asian	357	65.0	480	59.0	837	62.0
Hispanic	706	61.0	640	54.0	1,346	59.0
Other/Unknown	101	64.0	143	57.0	244	61.0
Total	19,903	67.0	18,345	65.0	38,248	66.0

Note: Those cases of other/unknown gender and/or unknown ages are not included in this table. The median age was not calculated for those numbers less than five.

INPATIENT HOSPITAL DISCHARGES

Figure 27. All Cancers Age-Adjusted (2000) Inpatient Discharge Rates, Nevada Residents, 1996-2000



Note: Rates are per 100,000 population and age-adjusted to 2000 US Standard population. Caution should be used when interpreting rates based upon small numbers and comparing inpatient hospital discharge rates to other data sources, because it is occurrence based data. See Technical notes for more information.

Figure 28. All Cancers Age-Adjusted Inpatient Discharge Rates by County/Region of Residence, Nevada Residents, 1996-2000

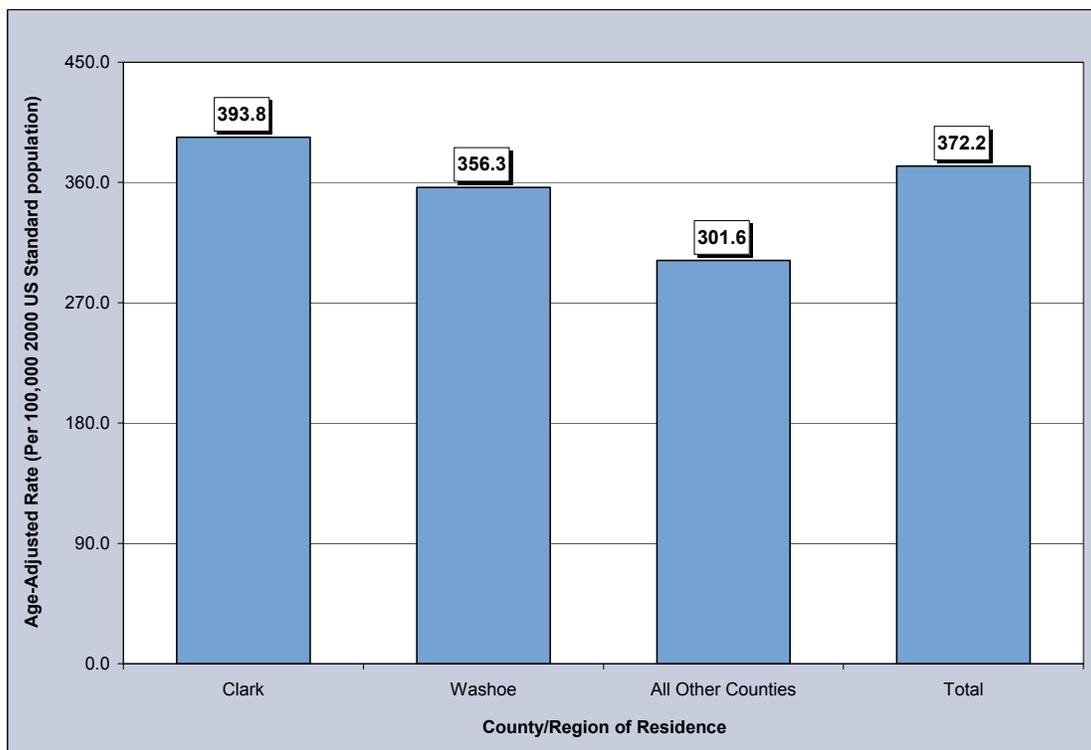


Figure 29. Median Charges for All Cancer Inpatient Discharges by County/Region of Residence, Nevada Residents, 1996-2000

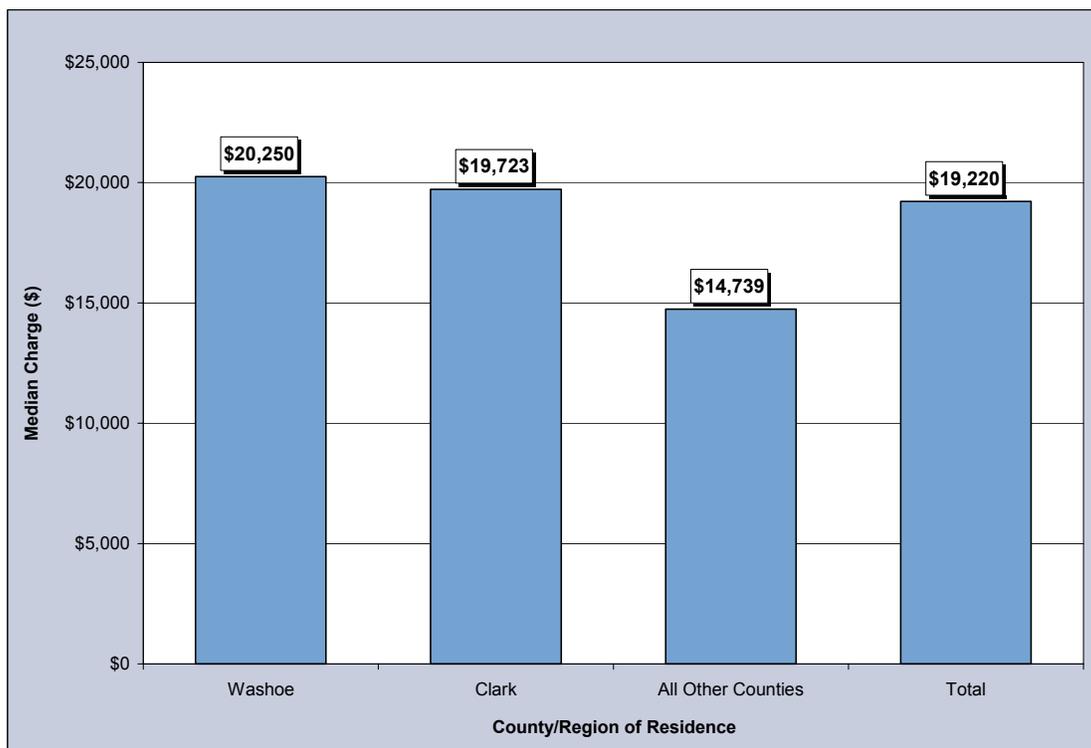


Figure 30. Average Length of Stay for All Cancer Inpatient Discharges by County/Region of Residence, Nevada Residents, 1996-2000

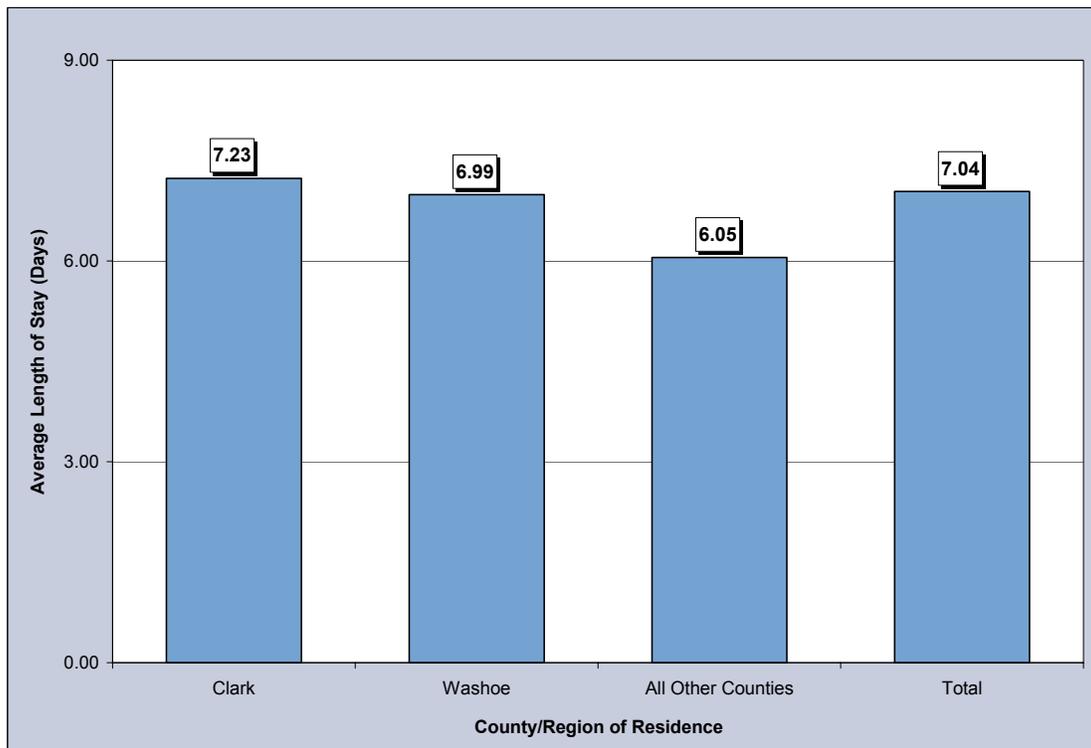


Table 29. All Cancer Inpatient Discharges by Gender, Charges, Length of Stay, and County/Region of Residence, Nevada Residents, 1996-2000

Category	County/Region of Residence				
	Nevada Total	Clark	Washoe	All Other Counties	Unknown
Total					
Discharges	32,109	22,597	5,220	4,280	12
Rate*	372.2	393.8	356.3	301.6	---
95% C.I.	(368.1-376.4)	(388.6-399.1)	(346.6-366.3)	(292.5-311.0)	---
Gender					
Male	15,724	11,096	2,379	2,241	8
Rate*	384.3	409.5	348.9	322.4	---
95% C.I.	(378.0-390.8)	(401.3-417.9)	(334.3-364.2)	(308.7-336.8)	---
Female	16,385	11,501	2,841	2,039	4
Rate*	367.2	387.0	368.4	283.8	---
95% C.I.	(361.6-372.9)	(379.9-394.3)	(355.0-382.3)	(271.5-296.5)	---
Other/Unknown	0	0	0	0	0
Inpatient Discharge Charges (\$)					
Total Charges	\$922,372,294	\$682,410,648	\$142,104,479	\$96,970,002	\$887,165
Average Charges	\$28,726	\$30,199	\$27,223	\$22,657	\$73,930
Median Charges	\$19,220	\$19,723	\$20,250	\$14,739	\$13,855
Discharge Length of Stay (LOS) (Days)					
Total LOS	225,968	163,442	36,495	25,901	130
Average LOS	7.0	7.2	7.0	6.1	10.8
Median LOS	5.0	5.0	5.0	4.0	4.5

* Rates are per 100,000 population and are age-adjusted to the 2000 US Standard population.

Note: The "---" is used for rates calculated on numbers less than ten. Caution should be used when comparing inpatient hospital discharge data to other data sources, since it is occurrence-based data. Please see Technical Notes for more information.

Table 30. Cancer Inpatient Discharges by Age Group and County/Region of Residence, Nevada Residents, 1996-2000

Category	County/Region of Residence				
	Nevada Total	Clark	Washoe	All Other Counties	Unknown
Total					
Discharges	32,109	22,597	5,220	4,280	12
Rate*	345.2	359.0	318.8	312.4	---
95% C.I.	(341.4-348.9)	(354.3-363.6)	(310.1-327.4)	(303.0-321.7)	---
Age Group					
<1	30	27	0	3	0
Rate*	21.5	27.6	---	---	---
95% C.I.	(13.8-29.2)	(17.2-38.0)	---	---	---
1-4	132	118	3	11	0
Rate*	24.1	31.0	---	11.7	---
95% C.I.	(20.0-28.2)	(25.4-36.7)	---	(4.8-18.6)	---
5-14	266	234	17	15	0
Rate*	20.1	26.3	7.5	6.6	---
95% C.I.	(17.7-22.5)	(23.0-29.7)	(3.9-11.1)	(3.3-10.0)	---
15-24	246	181	39	26	0
Rate*	19.2	20.8	17.2	11.5	---
95% C.I.	(16.8-21.6)	(17.8-23.8)	(11.8-22.6)	(7.1-15.9)	---
25-34	770	586	115	69	0
Rate*	53.8	57.4	45.6	27.3	---
95% C.I.	(50.0-57.6)	(52.8-62.1)	(37.2-53.9)	(20.9-33.8)	---
35-44	1,952	1,413	341	197	1
Rate*	130.7	142.7	122.8	71.0	---
95% C.I.	(124.9-136.5)	(135.2-150.1)	(109.8-135.8)	(61.0-80.9)	---
45-54	4,120	2,951	668	501	0
Rate*	340.8	372.5	297.5	223.1	---
95% C.I.	(330.4-351.2)	(359.1-386.0)	(274.9-320.0)	(203.6-242.6)	---
55-64	7,587	5,436	1,168	979	4
Rate*	881.3	934.9	825.7	692.1	---
95% C.I.	(861.5-901.2)	(910.1-959.8)	(778.3-873.1)	(648.7-735.4)	---
65-74	9,726	6,631	1,609	1,483	3
Rate*	1,568.9	1,599.5	1,595.4	1,470.4	---
95% C.I.	(1,537.7-1,600.1)	(1,561.0-1,638.0)	(1,517.4-1,673.3)	(1,395.6-1,545.3)	---
75-84	6,028	4,212	1,016	797	3
Rate*	1,839.1	1,947.7	1,846.3	1,448.3	---
95% C.I.	(1,792.7-1,885.6)	(1,888.9-2,006.5)	(1,732.8-1,959.8)	(1,347.8-1,548.9)	---
85+	1,251	808	243	199	1
Rate*	1,775.7	1,886.1	1,685.6	1,380.4	---
95% C.I.	(1,677.3-1,874.1)	(1,756.0-2,016.1)	(1,473.7-1,897.6)	(1,188.6-1,572.2)	---
Unknown	1	0	1	0	0

* Rates are per 100,000 age-specific population.

Note: The "----" is used for rates calculated on numbers less than ten. Caution should be used when comparing inpatient hospital discharge data to other data sources, since it is occurrence-based data. Please see Technical Notes for more information.

Table 31. All Cancer Inpatient Discharges by Age Group and Gender, Nevada Residents, 1996-2000

Age Group	Gender		
	Male	Female	Total
<1	11	19	30
Rate*	15.4	27.8	21.5
95% C.I.	(6.3-24.5)	(15.3-40.4)	(13.8-29.2)
1-4	76	56	132
Rate*	27.2	20.9	24.1
95% C.I.	(21.1-33.3)	(15.4-26.4)	(20.0-28.2)
5-14	136	130	266
Rate*	19.9	20.3	20.1
95% C.I.	(16.6-23.3)	(16.8-23.7)	(17.7-22.5)
15-24	107	139	246
Rate*	16.1	22.6	19.2
95% C.I.	(13.1-19.2)	(18.8-26.3)	(16.8-21.6)
25-34	255	515	770
Rate*	34.2	75.0	53.8
95% C.I.	(30.0-38.4)	(68.5-81.4)	(50.0-57.6)
35-44	633	1,319	1,952
Rate*	82.0	182.7	130.7
95% C.I.	(75.6-88.4)	(172.8-192.6)	(124.9-136.5)
45-54	1,745	2,375	4,120
Rate*	285.0	398.0	340.8
95% C.I.	(271.6-298.3)	(382.0-414.0)	(330.4-351.2)
55-64	4,072	3,515	7,587
Rate*	949.8	813.5	881.3
95% C.I.	(920.6-978.9)	(786.6-840.3)	(861.5-901.2)
65-74	5,251	4,475	9,726
Rate*	1,717.5	1,424.4	1,568.9
95% C.I.	(1,671.0-1,763.9)	(1,382.6-1,466.1)	(1,537.7-1,600.1)
75-84	2,905	3,123	6,028
Rate*	1,969.8	1,732.3	1,839.1
95% C.I.	(1,898.2-2,041.5)	(1,671.5-1,793.0)	(1,792.7-1,885.6)
85+	533	718	1,251
Rate*	2,350.8	1,502.8	1,775.7
95% C.I.	(2,151.2-2,550.4)	(1,392.9-1,612.8)	(1,677.3-1,874.1)
Unknown	0	1	1
Total	15,724	16,385	32,109
Rate*	332.4	358.3	345.2
95% C.I.	(327.2-337.6)	(352.8-363.8)	(341.4-348.9)

* Rates are per 100,000 age-specific population.

Note: The "----" is used for rates calculated on numbers less than ten. Caution should be used when comparing inpatient hospital discharge data to other data sources, since it is occurrence-based data. Please see Technical Notes for more information.

Table 32. All Cancer Inpatient Discharges by County/Region of Residence, Nevada Residents, 1996-2000

County of Residence	1996-2000 Inpatient Hospital Discharges				
	Number	Rate*		Age-Adjusted Rate**	
		Rate	95% C.I.	Rate	95% C.I.
Carson City	752	306.8	(284.9-328.7)	265.5	(246.7-285.4)
Churchill	404	342.4	(309.0-375.8)	358.0	(323.7-395.3)
Clark	22,597	359.0	(354.3-363.6)	393.8	(388.6-399.1)
Douglas	567	283.7	(260.3-307.0)	244.2	(223.6-266.7)
Elko	235	102.6	(89.4-115.7)	193.4	(167.2-223.1)
Esmeralda	39	729.5	(500.6-958.5)	592.5	(412.6-862.3)
Eureka	18	212.5	(114.3-310.7)	203.8	(119.6-355.5)
Humboldt	186	221.6	(189.7-253.4)	296.4	(253.4-346.0)
Lander	77	240.2	(186.6-293.9)	348.3	(270.6-443.9)
Lincoln	44	215.9	(152.1-279.7)	179.6	(129.4-251.0)
Lyon	968	598.3	(560.6-635.9)	526.6	(493.3-562.0)
Mineral	121	439.6	(361.2-517.9)	344.3	(284.2-416.5)
Nye	697	469.5	(434.7-504.4)	346.6	(319.7-376.0)
Pershing	63	221.0	(166.4-275.5)	254.7	(195.2-328.8)
Storey	18	100.8	(54.2-147.4)	98.1	(52.8-188.9)
Washoe	5,220	318.8	(310.1-327.4)	356.3	(346.6-366.3)
White Pine	91	208.6	(165.8-251.5)	184.7	(148.5-228.4)
Unknown	12	---	---	---	---
Total	32,109	345.2	(341.4-348.9)	372.2	(368.1-376.4)

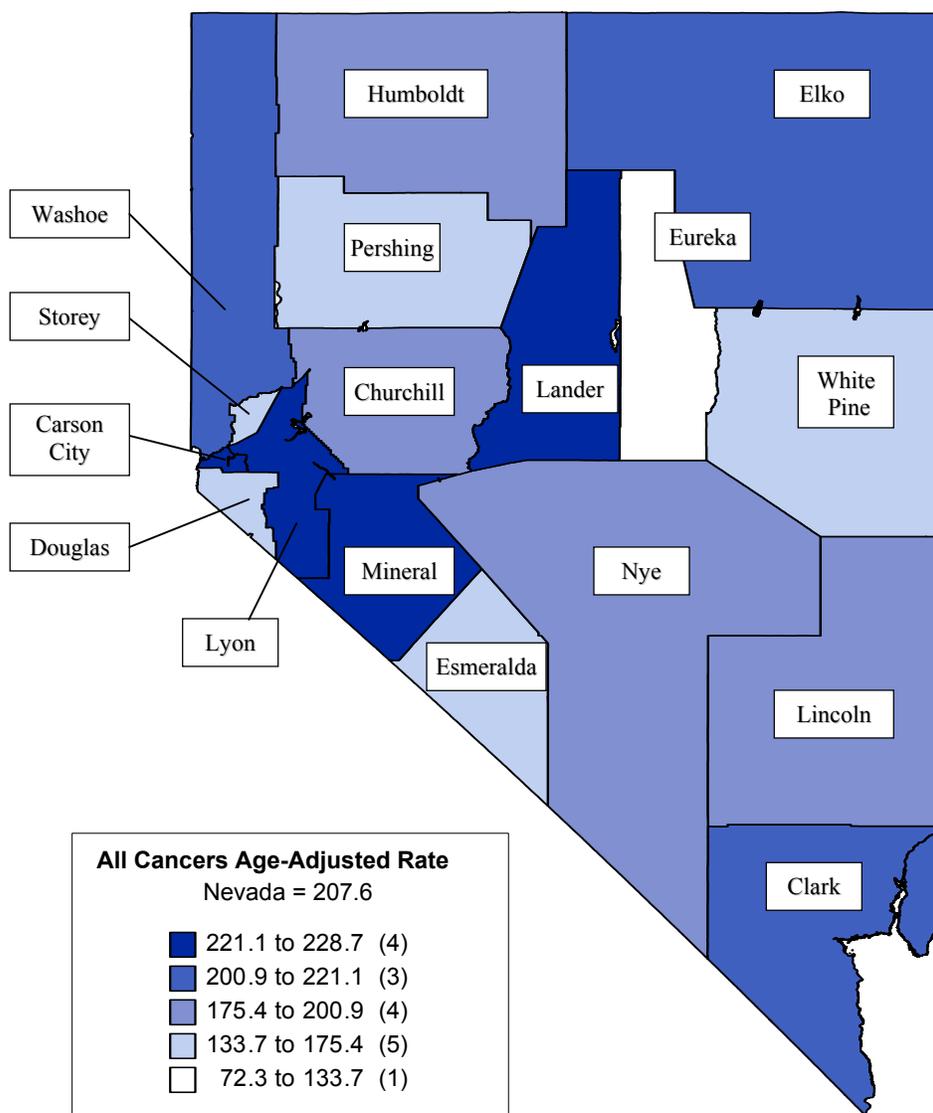
Note: The “---” is used for rates calculated on numbers less than ten. *Rates are per 100,000 population. **Rates are per 100,000 population and are age-adjusted to the 2000 US Standard population.

Table 33. All Cancer Inpatient Discharges by Age Group, Charges and Length of Stay, Nevada Residents, 1996-2000

Age Group	Discharges	Charges (\$)			Length of Stay (Days)		
		Total	Average	Median	Total	Average	Median
<1	30	1,335,664	44,522	28,650	337	11.2	8.0
1-4	132	7,416,845	56,188	34,057	1,705	12.9	8.0
5-14	266	12,529,596	47,104	31,535	2,464	9.3	6.0
15-24	246	10,560,148	42,927	23,683	2,206	9.0	5.0
25-34	770	21,782,306	28,289	15,643	4,763	6.2	3.5
35-44	1,952	51,391,338	26,328	16,720	11,875	6.1	4.0
45-54	4,120	114,426,252	27,773	18,732	27,027	6.6	4.0
55-64	7,587	229,041,353	30,189	20,014	54,588	7.2	5.0
65-74	9,726	273,548,238	28,125	19,735	66,733	6.9	5.0
75-84	6,028	170,090,873	28,217	18,639	45,013	7.5	6.0
85+	1,251	30,129,714	24,085	16,306	9,237	7.4	6.0
Unknown	1	---	---	---	---	---	---
Total	32,109	922,372,294	28,726	19,220	225,968	7.0	5.0

MORTALITY

Figure 31. Cancer Age-Adjusted (2000) Mortality Rates, Nevada Residents, 1996-2000



Note: Rates are per 100,000 population and age-adjusted to 2000 US Standard population. Caution should be used when interpreting rates based upon small numbers. See Technical notes for more information.

Figure 32. Cancer Age-Adjusted Mortality Rates by County/Region of Residence, Nevada Residents, 1996-2000

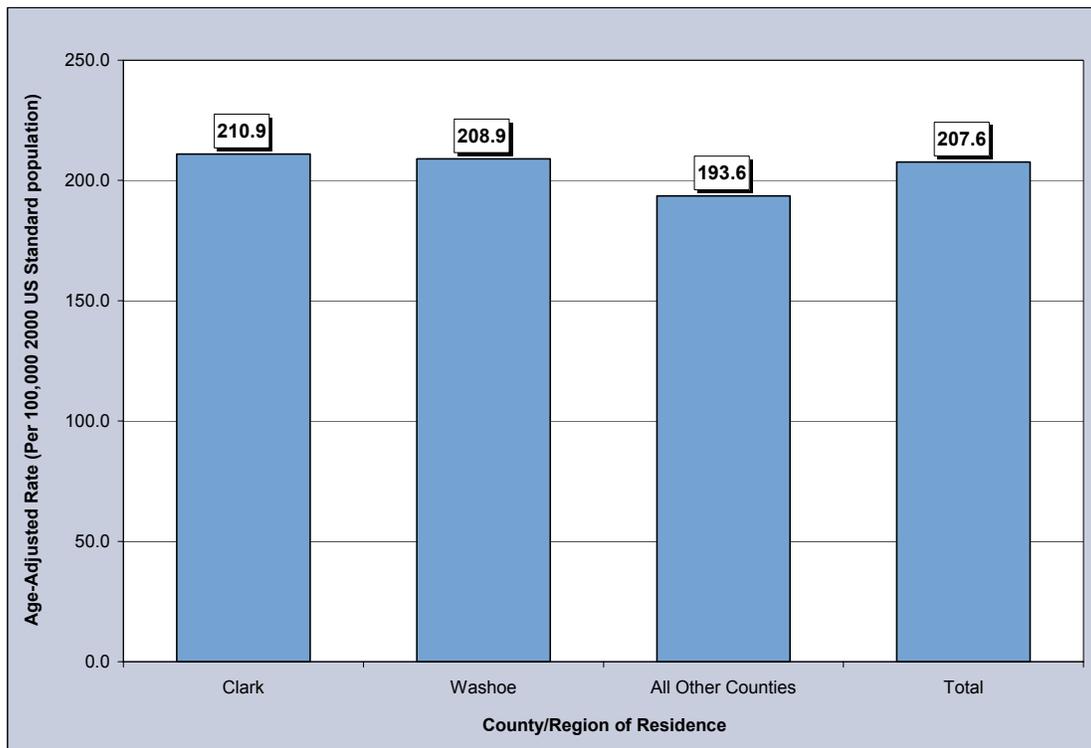


Figure 33. Cancer Age-Adjusted Mortality Rates by Race/Ethnicity, Nevada Residents, 1996-2000

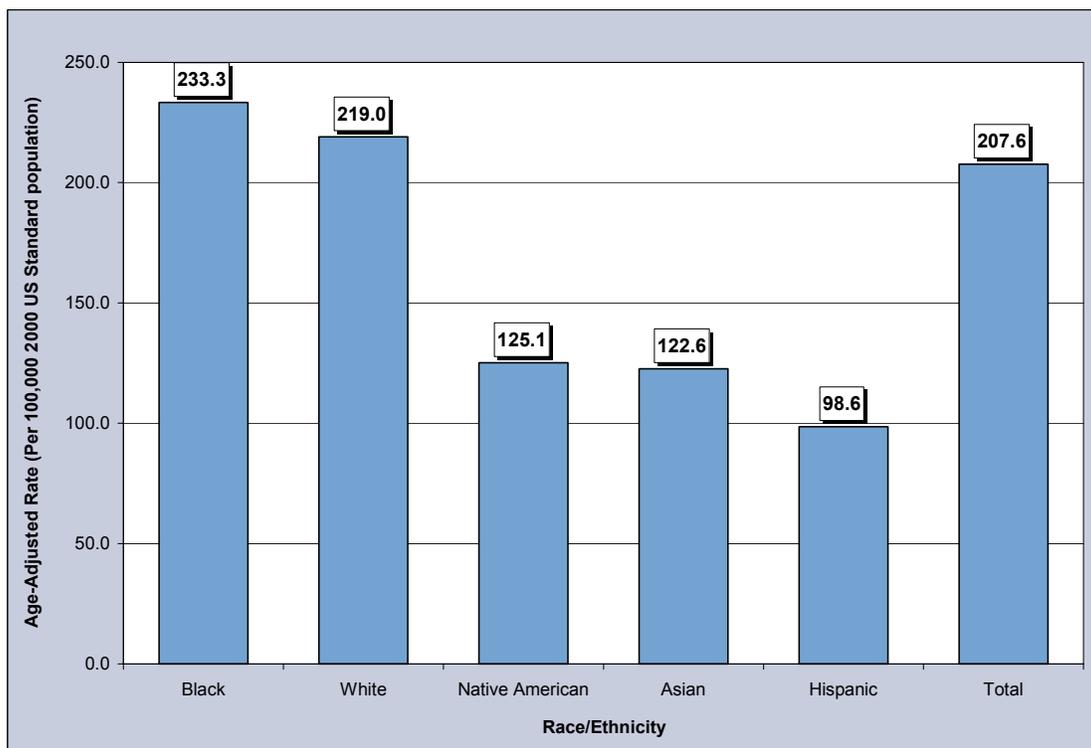


Table 34. All Cancers Mortality by Gender, Race/Ethnicity and County/Region of Residence, Nevada Residents, 1996-2000

Category	County/Region of Residence			
	Nevada Total	Clark	Washoe	All Other Counties
Total				
Mortality	16,806	11,300	2,878	2,628
Rate*	207.6	210.9	208.9	193.6
95% C.I.	(204.4-210.9)	(206.9-215.1)	(201.2-216.9)	(186.1-201.3)
Gender				
Male	9,173	6,161	1,525	1,487
Rate*	247.1	251.5	248.6	230.6
95% C.I.	(241.6-252.7)	(244.5-258.7)	(235.4-262.6)	(218.3-243.5)
Female	7,633	5,139	1,353	1,141
Rate*	177.5	180.6	180.8	161.6
95% C.I.	(173.5-181.6)	(175.7-185.8)	(171.2-190.7)	(152.3-171.4)
Other/Unknown	0	0	0	0
Race/Ethnicity				
White	14,954	9,762	2,686	2,506
Rate*	219.0	224.5	219.4	200.4
95% C.I.	(215.4-222.7)	(219.9-229.2)	(211.0-228.0)	(192.5-208.7)
Black	867	821	40	6
Rate*	233.3	240.2	185.0	---
95% C.I.	(216.8-251.0)	(222.6-259.2)	(130.3-257.1)	---
Native American	101	30	27	44
Rate*	125.1	83.8	177.2	130.1
95% C.I.	(100.6-154.7)	(54.9-128.7)	(112.5-271.3)	(93.6-177.3)
Asian	353	299	43	11
Rate*	122.6	129.0	98.2	106.6
95% C.I.	(106.3-141.9)	(110.1-151.9)	(65.0-151.0)	(46.7-231.7)
Hispanic	515	379	77	59
Rate*	98.6	95.7	102.2	115.0
95% C.I.	(88.8-109.5)	(84.5-108.4)	(77.2-135.6)	(84.3-154.6)
Other/Unknown	16	9	5	2

Note: The “---” is used for rates calculated on numbers less than ten. *Rates are per 100,000 population and are age-adjusted to the 2000 US Standard population.

Table 35. All Cancers Mortality by Age Group and County/Region of Residence, Nevada Residents, 1996-2000

Category	County/Region of Residence			
	Nevada Total	Clark	Washoe	All Other Counties
Total				
Mortality	16,806	11,300	2,878	2,628
Rate*	180.7	179.5	175.7	191.8
95% C.I.	(177.9-183.4)	(176.2-182.8)	(169.3-182.2)	(184.5-199.1)
Age Group				
<1	3	2	0	1
Rate*	---	---	---	---
95% C.I.	---	---	---	---
1-4	10	6	1	3
Rate*	1.8	---	---	---
95% C.I.	(0.7-3.0)	---	---	---
5-14	27	19	5	3
Rate*	2.0	2.1	---	---
95% C.I.	(1.3-2.8)	(1.2-3.1)	---	---
15-24	42	28	4	10
Rate*	3.3	3.2	---	5.5
95% C.I.	(2.3-4.3)	(2.0-4.4)	---	(2.1-8.9)
25-34	104	86	11	7
Rate*	7.3	8.4	4.4	---
95% C.I.	(5.9-8.7)	(6.6-10.2)	(1.8-6.9)	---
35-44	479	335	93	51
Rate*	32.1	33.8	33.5	22.6
95% C.I.	(29.2-34.9)	(30.2-37.4)	(26.7-40.3)	(16.4-28.8)
45-54	1,494	1,054	240	200
Rate*	123.6	133.1	106.9	104.0
95% C.I.	(117.3-129.8)	(125.0-141.1)	(93.3-120.4)	(89.6-118.4)
55-64	3,262	2,224	527	511
Rate*	378.9	382.5	372.6	370.4
95% C.I.	(365.9-391.9)	(366.6-398.4)	(340.7-404.4)	(338.3-402.5)
65-74	5,493	3,679	926	888
Rate*	886.1	887.4	918.2	849.8
95% C.I.	(862.7-909.5)	(858.8-916.1)	(859.0-977.3)	(793.9-905.7)
75-84	4,487	3,004	786	697
Rate*	1,369.0	1,389.1	1,428.4	1,234.1
95% C.I.	(1,328.9-1,409.0)	(1,339.4-1,438.8)	(1,328.5-1,528.2)	(1,142.5-1,325.7)
85+	1,404	862	285	257
Rate*	1,992.9	2,012.1	1,977.0	1,947.9
95% C.I.	(1,888.7-2,097.2)	(1,877.8-2,146.5)	(1,747.5-2,206.5)	(1,709.7-2,186.0)
Unknown	1	1	0	0

Note: The "----" is used for rates calculated on numbers less than ten. * Rates are per 100,000 age-specific population.

Table 36. Cancer Mortality by County of Residence, Nevada Residents, 1996-2000

County of Residence	1996-2000 Mortality				
	Cases	Rate*		Age-Adjusted Rate**	
		Rate	95% C.I.	Rate	95% C.I.
Carson City	651	265.6	(245.2-286.0)	228.7	(211.3-247.2)
Churchill	194	164.4	(141.3-187.6)	175.5	(151.4-202.6)
Clark	11,300	179.5	(176.2-182.8)	210.9	(206.9-215.1)
Douglas	361	180.6	(162.0-199.2)	160.9	(143.9-179.8)
Elko	222	96.9	(84.1-109.6)	200.9	(173.1-232.3)
Esmeralda	10	187.1	(71.1-303.0)	138.2	(65.4-315.2)
Eureka	7	---	---	---	---
Humboldt	104	123.9	(100.1-147.7)	184.1	(148.8-226.3)
Lander	45	140.4	(99.4-181.4)	225.0	(161.2-307.9)
Lincoln	44	215.9	(152.1-279.7)	176.9	(127.8-247.1)
Lyon	403	249.1	(224.8-273.4)	227.1	(204.9-251.6)
Mineral	75	272.5	(210.8-334.1)	221.2	(172.9-281.9)
Nye	371	249.9	(224.5-275.4)	192.1	(171.3-215.6)
Pershing	31	108.7	(70.4-147.0)	133.7	(90.5-192.4)
Storey	28	156.8	(98.7-214.9)	146.9	(91.2-245.3)
Washoe	2,878	175.7	(169.3-182.2)	208.9	(201.2-216.9)
White Pine	82	188.0	(147.3-228.7)	163.4	(129.9-204.4)
Unknown	0	---	---	---	---
Total	16,806	180.7	(177.9-183.4)	207.6	(204.4-210.9)

Note: The "----" is used for rates calculated on numbers less than ten. *Rates are per 100,000 population. **Rates are per 100,000 population and are age-adjusted to the 2000 US Standard population.

Table 37. Cancer Mortality by Race/Ethnicity and Gender, Nevada Residents, 1996-2000

Race/Ethnicity	Gender		
	Male	Female	Total
White Mortality	8,187	6,767	14,954
Rate*	258.8	188.6	219.0
95% C.I.	(252.7-264.9)	(184.1-193.2)	(215.4-222.7)
Black Mortality	469	398	867
Rate*	285.3	195.6	233.3
95% C.I.	(255.7-318.7)	(175.9-217.1)	(216.8-251.0)
Native American Mortality	52	49	101
Rate*	147.8	110.9	125.1
95% C.I.	(104.7-208.2)	(81.2-148.6)	(100.6-154.7)
Asian Mortality	166	187	353
Rate*	134.5	113.5	122.6
95% C.I.	(109.5-166.3)	(92.5-139.9)	(106.3-141.9)
Hispanic Mortality	288	227	515
Rate*	124.1	79.3	98.6
95% C.I.	(106.7-144.8)	(68.0-92.4)	(88.8-109.5)
Other/Unknown	11	5	16
Total Mortality	9,173	7,633	16,806
Rate*	247.1	177.5	207.6
95% C.I.	(241.6-252.7)	(173.5-181.6)	(204.4-210.9)

Note: The "----" is used for rates calculated on numbers less than ten. *Rates are per 100,000 population and are age-adjusted to the 2000 US Standard population.

Table 38. Cancer Mortality by Age Group and Gender, Nevada Residents, 1996-2000

Age Group	Gender		
	Male	Female	Total
<1	2	1	3
Rate*	---	---	---
95% C.I.	---	---	---
1-4	5	5	10
Rate*	---	---	1.8
95% C.I.	---	---	(0.7-3.0)
5-14	13	14	27
Rate*	1.9	2.2	2.0
95% C.I.	(0.9-2.9)	(1.0-3.3)	(1.3-2.8)
15-24	24	18	42
Rate*	3.6	2.9	3.3
95% C.I.	(2.2-5.1)	(1.6-4.3)	(2.3-4.3)
25-34	46	58	104
Rate*	6.2	8.4	7.3
95% C.I.	(4.4-8.0)	(6.3-10.6)	(5.9-8.7)
35-44	213	266	479
Rate*	27.6	36.8	32.1
95% C.I.	(23.9-31.3)	(32.4-41.3)	(29.2-34.9)
45-54	717	777	1,494
Rate*	117.1	130.2	123.6
95% C.I.	(108.5-125.7)	(121.1-139.4)	(117.3-129.8)
55-64	1,885	1,377	3,262
Rate*	439.7	318.7	378.9
95% C.I.	(419.8-459.5)	(301.8-335.5)	(365.9-391.9)
65-74	3,182	2,311	5,493
Rate*	1,040.8	735.6	886.1
95% C.I.	(1,004.6-1,076.9)	(705.6-765.6)	(862.7-909.5)
75-84	2,450	2,037	4,487
Rate*	1,661.3	1,129.9	1,369.0
95% C.I.	(1,595.5-1,727.1)	(1,080.8-1,178.9)	(1,328.9-1,409.0)
85+	635	769	1,404
Rate*	2,800.7	1,609.6	1,992.9
95% C.I.	(2,582.8-3,018.5)	(1,495.8-1,723.3)	(1,888.7-2,097.2)
Unknown	1	0	1
Total	9,173	7,633	16,806
Rate*	193.9	166.9	180.7
95% C.I.	(190.0-197.9)	(163.2-170.7)	(177.9-183.4)

Note: The “---” is used for rates calculated on numbers less than ten. * Rates are per 100,000 age-specific population.

Table 39. Median Age at Death from All Cancers by Race/Ethnicity and Gender, Nevada Residents, 1996-2000

Race/Ethnicity	Gender					
	Male		Female		Total	
	Deaths	Median Age	Deaths	Median Age	Deaths	Median Age
White	8,186	70.0	6,767	71.0	14,953	71.0
Black	469	67.0	398	66.0	867	66.0
Native American	52	67.0	49	73.0	101	68.0
Asian	166	65.0	187	64.0	353	65.0
Hispanic	288	66.0	227	65.0	515	65.0
Other/Unknown	11	64.0	5	77.0	16	66.0
Total	9,172	70.0	7,633	71.0	16,805	70.0

Note: Those deaths of other/unknown gender and/or unknown ages are not included in this table. The median age was not calculated for those numbers less than five.

SURVIVAL RATE

Figure 34. Survival Rates for All Cancers by Race/Ethnicity, Nevada Residents, 1996-2000

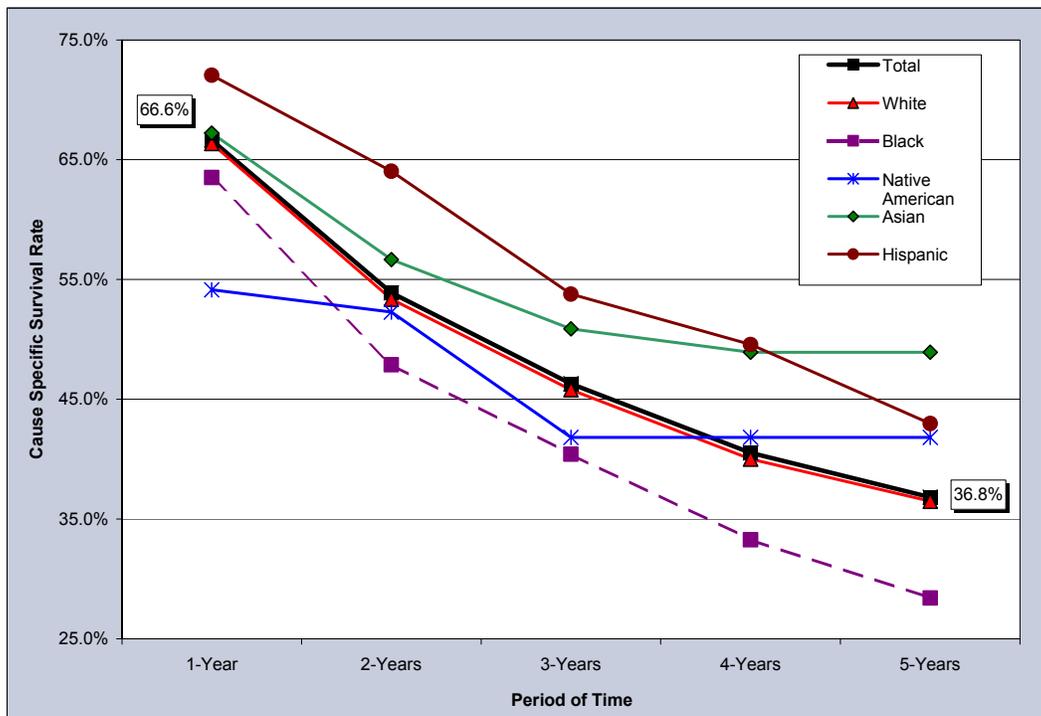


Figure 35. Survival Rates for All Cancers by Stage of Cancer at Diagnosis, Nevada Residents, 1996-2000

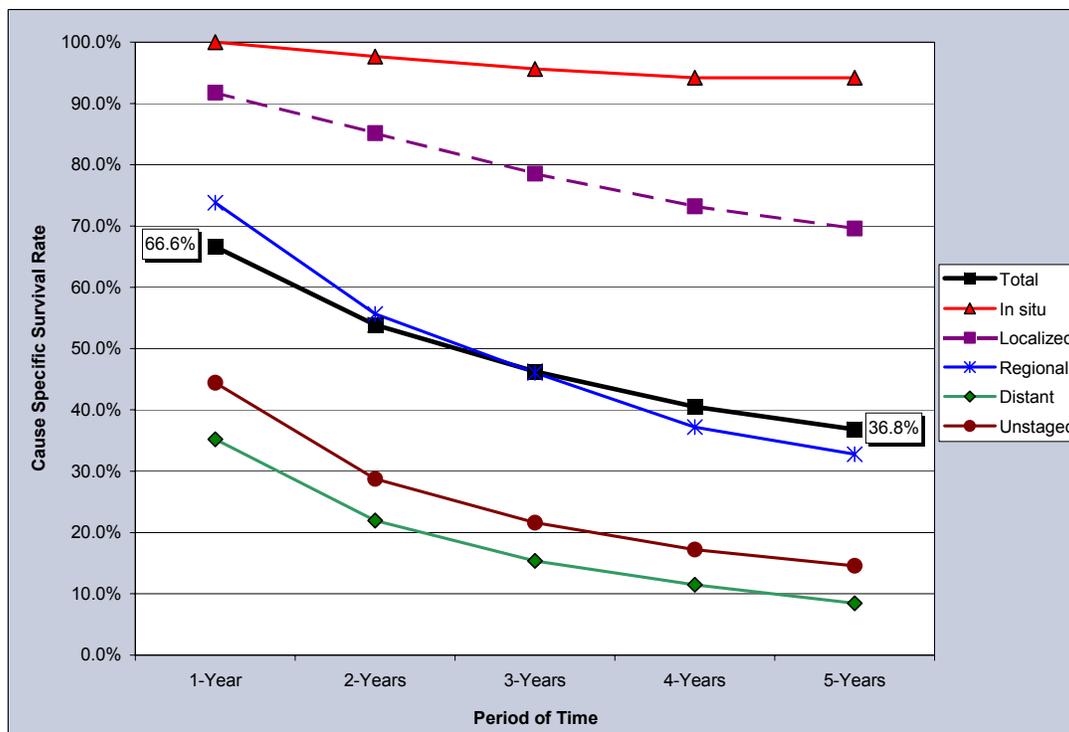


Table 40. Cause-Specific Survival Rates for All Cancers by Race/Ethnicity and Gender, Nevada Residents, 1996-2000

Race/ Ethnicity and Gender	Number of Cases	Cause Specific Survival Rate					Median Survival Time (years)
		One Year	Two Years	Three Years	Four Years	Five Years	
Total	25,079	66.6%	53.9%	46.3%	40.5%	36.8%	2.51
Male	12,712	62.8%	49.2%	41.7%	36.9%	33.6%	1.94
Female	12,362	70.6%	58.6%	50.8%	44.1%	40.1%	3.12
Race/Ethnicity							
White	22,130	66.4%	53.4%	45.8%	40.0%	36.5%	2.44
Male	11,271	62.7%	48.7%	41.3%	36.4%	33.0%	1.91
Female	10,854	70.2%	58.1%	50.3%	43.6%	40.0%	3.05
Black	1,148	63.5%	47.9%	40.4%	33.3%	28.4%	1.86
Male	593	61.6%	48.1%	39.2%	32.9%	32.9%	1.86
Female	555	65.5%	47.7%	41.6%	33.6%	23.0%	1.87
Native American	89	54.1%	52.3%	41.8%	41.8%	41.8%	2.22
Male	41	44.0%	40.3%	30.8%	30.8%	30.8%	0.89
Female	48	63.4%	63.4%	52.4%	52.4%	52.4%	>5 years
Asian	577	67.2%	56.7%	50.9%	48.9%	48.9%	3.45
Male	241	61.7%	47.5%	40.2%	40.2%	40.2%	1.82
Female	336	71.3%	63.3%	58.9%	54.9%	54.9%	>5 years
Hispanic	967	72.1%	64.0%	53.8%	49.6%	43.0%	3.90
Male	496	65.0%	56.7%	49.8%	48.0%	39.3%	2.97
Female	471	79.6%	71.8%	58.4%	51.9%	47.4%	4.42

Notes: 1) The “--” indicates that survival rate could not be calculated due to small cell size. Caution should be used when interpreting survival rates based upon categories with a small number of cases. 2) Those cases where the gender and/or race/ethnicity were other/unknown, are not shown separately, but are included in the category totals. 3) These rates may not be directly comparable to National rates because of different methodologies. Caution should be used when trying to compare rates for Nevada and the Nation. For more information on the calculation of survival rates, please refer to Technical Notes section.

Table 41. Cause-Specific Survival Rates for All Cancers by Stage of Cancer at Diagnosis and Gender, Nevada Residents, 1996-2000

Survival Rate of Stage at Diagnosis		Gender		
		Total	Male	Female
Total	Cases	25,079	12,712	12,362
	One Year	66.6%	62.8%	70.6%
	5 Years	36.8%	33.6%	40.1%
	Median Survival	2.51	1.94	3.12
Stage at Diagnosis				
In situ	Cases	890	235	655
	One Year	100.0%	100.0%	100.0%
	5 Years	94.2%	87.2%	97.0%
	Median Survival	>5 years	>5 years	>5 years
Localized	Cases	9,922	5,073	4,846
	One Year	91.8%	90.2%	93.4%
	5 Years	69.6%	67.6%	71.5%
	Median Survival	>5 years	>5 years	>5 years
Regional	Cases	4,997	2,287	2,710
	One Year	73.8%	69.3%	77.7%
	5 Years	32.8%	26.7%	38.2%
	Median Survival	2.59	1.93	3.22
Distant	Cases	5,357	2,922	2,434
	One Year	35.2%	32.0%	39.1%
	5 Years	8.4%	8.4%	8.4%
	Median Survival	0.77	0.73	0.82
Unstaged	Cases	3,913	2,195	1,717
	One Year	44.4%	44.4%	44.5%
	5 Years	14.6%	17.4%	11.2%
	Median Survival	0.90	0.90	0.90

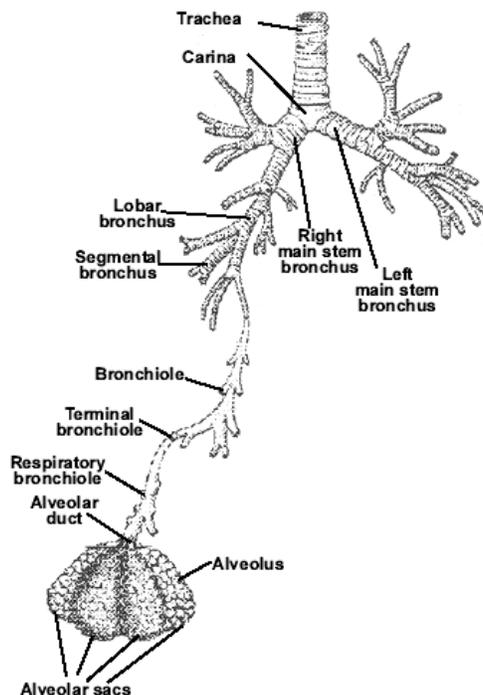
Notes: 1) The "---" indicates that survival rate could not be calculated due to small cell size. Caution should be used when interpreting survival rates based upon categories with a small number of cases. 2) These rates may not be directly comparable to National rates because of different methodologies. Caution should be used when trying to compare rates for Nevada and the Nation. For more information on the calculation of survival rates, please refer to Technical Notes section.

LUNG AND BRONCHUS CANCER

LUNG AND BRONCHUS CANCER

GENERAL PROFILE⁴

Figure 36. Anatomy of the Respiratory Tract⁵



General Anatomy: The lungs, a pair of sponge-like, cone-shaped organs, are part of the respiratory system. The right lung has three sections, called lobes; it is a little larger than the left lung, which has two lobes. When we breathe in, the lungs take in oxygen, which our cells need to live and carry out their normal functions. When we breathe out, the lungs get rid of carbon dioxide, which is a waste product of the body's cells.

Risk Factors: Smoking is the most prevalent risk factor in determining risk for Lung and Bronchus Cancer. Exposure to radon, asbestos, pollution, certain lung diseases, such as tuberculosis, and personal family history are all also important risk factors.

Signs and Symptoms: Common signs and symptoms include: a cough that doesn't go away and gets worse over time, constant chest pain, coughing up blood, shortness of breath, wheezing or hoarseness, repeated problems with pneumonia or bronchitis, swelling of the neck and face, loss of appetite or weight loss, and fatigue.

Diagnosing the Cancer: The most common ways of diagnosing Lung and Bronchus Cancer are: bronchoscopy, needle aspiration, thoracentesis, thoracotomy.

Treatment: Treatment options include: surgery, chemotherapy, radiation therapy, and photodynamic therapy.

HIGHLIGHTS

- Nevadan females had a higher ratio than males when the incidence and mortality age-adjusted rates for Lung and Bronchus Cancer were compared. Females had a ratio of 1.36 while the ratio for males was 1.27. This means that for every death due to Lung and Bronchus Cancer there would be 1.36 female cases while only 1.27 cases for every male death.
- The median age at diagnosis of Lung and Bronchus Cancer for Nevada residents and females was 69 years of age from 1996 to 2000 while the median age for males was 68 years. The median age at time of death due to Lung and Bronchus Cancer was 70 years for Nevada overall and females and 69 years of age for males.

INCIDENCE

- There were 7,162 cases of Lung and Bronchus Cancer reported in Nevada from 1996 to 2000, which was the highest of any type of cancer during this period. Clark County had a statistically significant higher incidence rate of Lung and Bronchus Cancer (87.5) during this period, with both Washoe County and All Other Counties, as a region, slightly lower at rates of 78.1 and 77.3, respectively. However Nevada, as a whole, as well as the three regions had statistically significant higher rates than the National rate of 62.8 (per 100,000 – 2000 US Standard population).
- Whites and Blacks, as racial/ethnic groups, accounted for 95.6% of all reported Lung and Bronchus Cancer cases during the 1996 to 2000 period. Their higher age-adjusted incidence rates, 91.0 and 82.3 respectively, showed statistical significance over Asians, Native Americans and Hispanics who had age-adjusted incidence rates of 45.0, 33.6 and 25.0 (per 100,000 – 2000 US Standard population), respectively, during this same period.
- The higher age-adjusted incidence rate for males was statistically significant at 98.8 (95.6-102.2) over the rate for females (72.2, 69.7-74.7) during the 1996 to 2000 period. However, both had statistically significant higher rates when compared to their national counterparts. The difference was considerably more for females who were 46.2% greater than the National rate, while the rate difference for Males was still a considerable 21.3% over the National rate during this period.

INPATIENT HOSPITAL DISCHARGES

- Billed charges from Lung and Bronchus Cancer inpatient discharges accounted for nearly 150 million dollars from 1996 to 2000. Nevadans in the 55-64 and 65-74 age groups accounted for 65.8% of the total charges during this period. The overall daily billed amount for these discharges was approximately \$3,822 in Nevada during this period.
- There were 4,895 Inpatient Discharges for Lung and Bronchus Cancer to Nevada residents in Nevada from 1996 to 2000. Clark County (61.4) had the highest age-adjusted inpatient discharge rate for Lung and Bronchus Cancer in Nevada, and showed statistical

significance over the rates for Nevada overall, Washoe County, and All Other Counties who had rates of 56.5, 49.0 and 44.8 (per 100,000 – 2000 US Standard population), respectively.

- The median total billed charges in Nevada for inpatient discharges due to Lung and Bronchus Cancer from 1996 to 2000 was \$24,201. Clark County had the highest median total billed charge, \$25,913, when compared to the amounts for Washoe County and All Other Counties of \$20,627 and \$17,074.

MORTALITY

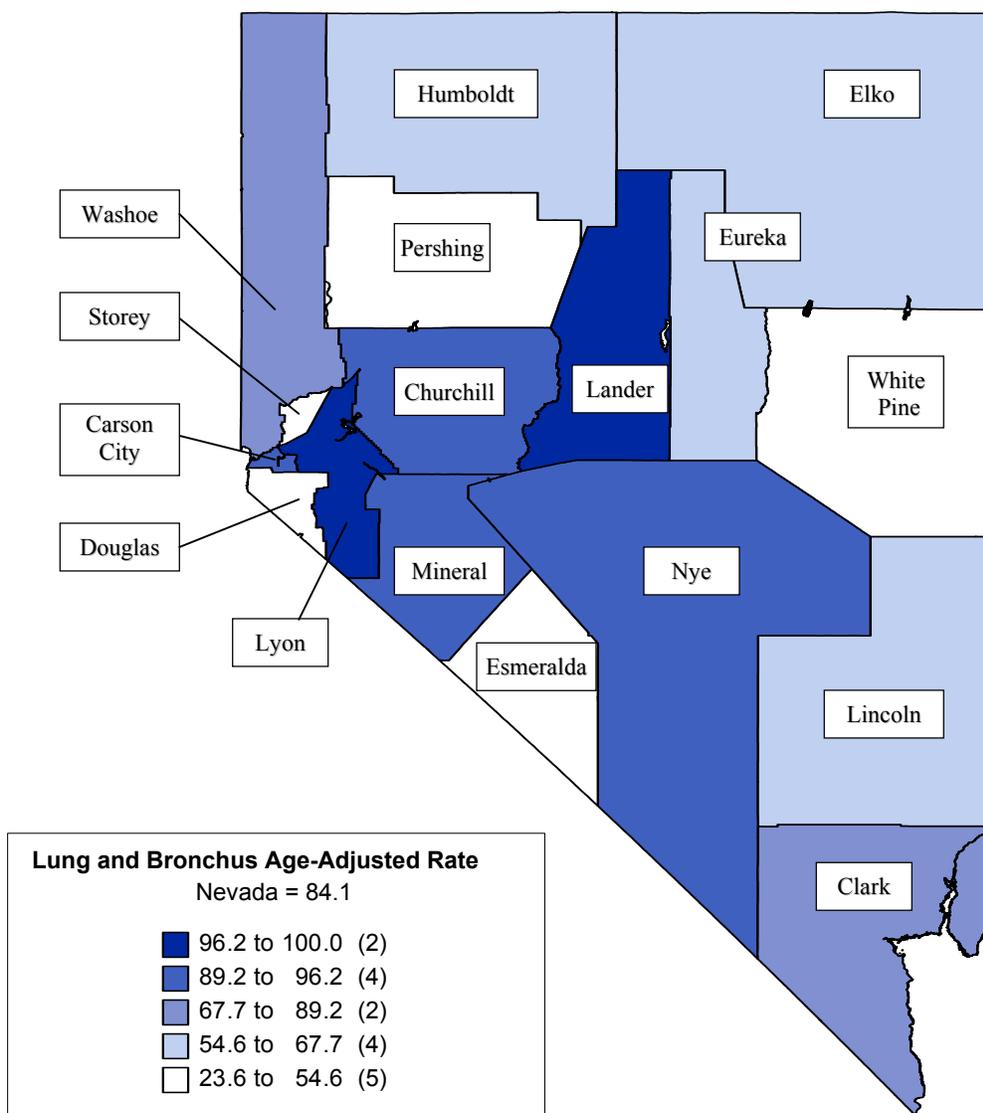
- There were 5,385 resident deaths due to Lung and Bronchus Cancer from 1996 to 2000. Clark County had a higher age-adjusted mortality rate (66.9) than Washoe County (61.4) and All Other Counties, as a region, (58.1) during the 1996 to 2000 period.
- Nevadan males had a 46.1% higher statistically significant age-adjusted mortality rate (78.1) for Lung and Bronchus Cancer when compared to the female rate of 53.4 (per 100,000 – 2000 US Standard population) for the 1996 to 2000 period.
- Whites and Blacks, as racial/ethnic groups, accounted for 96.4% of all reported Lung and Bronchus Cancer cases during the 1996 to 2000 period. Their higher age-adjusted mortality rates, 69.6 and 68.3 respectively, showed statistical significance over Asians, Native Americans and Hispanics who had age-adjusted incidence rates of 34.7, 30.3 and 16.3 (per 100,000 – 2000 US Standard population), respectively, during this same period.

SURVIVAL RATE

- Females had a higher one-year survival rate (40.3%) than males (34.4%) for Lung and Bronchus Cancer in Nevada from 1996 to 2000. This trend was similar for the median survival time with females and males at 0.84 and 0.76 years, respectively. However, the difference decreased by the five-year survival rate where females only had a slightly higher rate at 8.6% with males at 8.2% during this period.
- Asians, as a racial/ethnic group, had the highest one-year survival rate for Lung and Bronchus Cancer (44.9%) as well as the highest five-year survival rate (10.6%) of those groups that had a rate calculated for Nevada from 1996 to 2000.
- The Lung and Bronchus Cancer Survival Rate varies greatly by the stage of the cancer at time of diagnosis. Those diagnosed at the localized stage had the highest one- and five-year survival rates with 76.1% and 38.3%, respectively. This was followed by those with Regional and then Distant diagnoses with rates of 52.1% and 18.5% for the one year period and 9.2% and 2.2% for the five year period.

INCIDENCE

Figure 37. Lung and Bronchus Cancer Age-Adjusted (2000) Incidence Rates, Nevada Residents, 1996-2000



Note: Rates are per 100,000 population and age-adjusted to 2000 US Standard population. Caution should be used when interpreting rates based upon small numbers. See Technical notes for more information.

Figure 38. Lung and Bronchus Cancer Age-Adjusted Incidence Rates by County/Region of Residence, Nevada Residents, 1996-2000

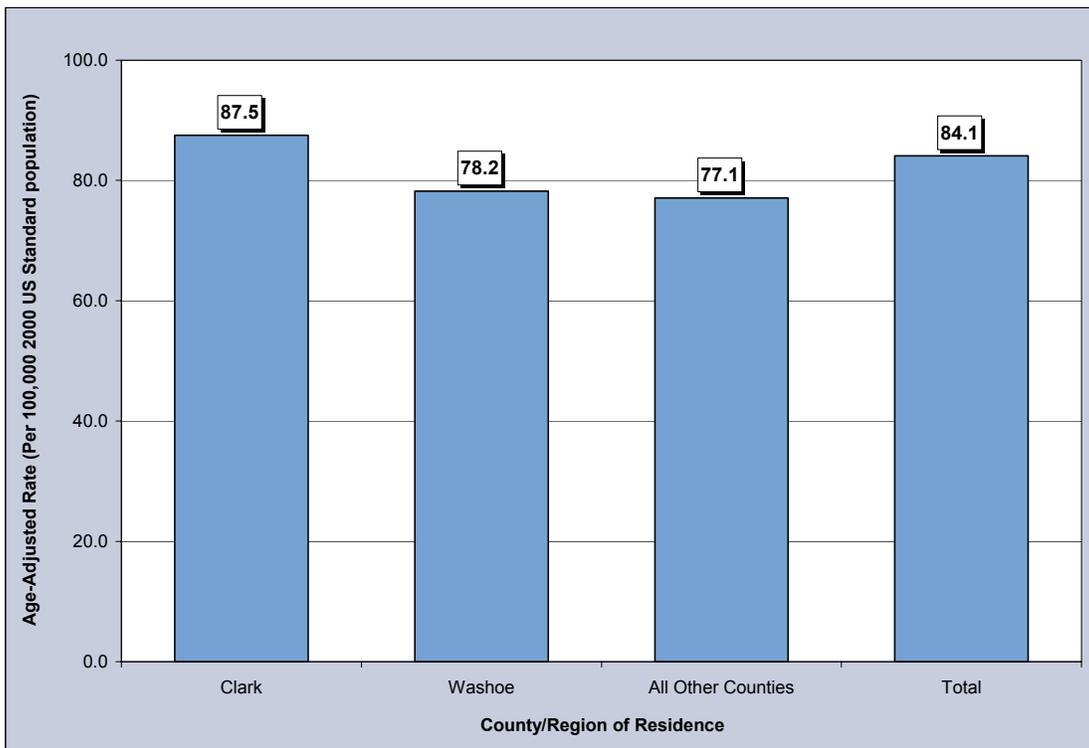


Figure 39. Lung and Bronchus Cancer Age-Adjusted Incidence Rates by Race/Ethnicity, Nevada Residents, 1996-2000

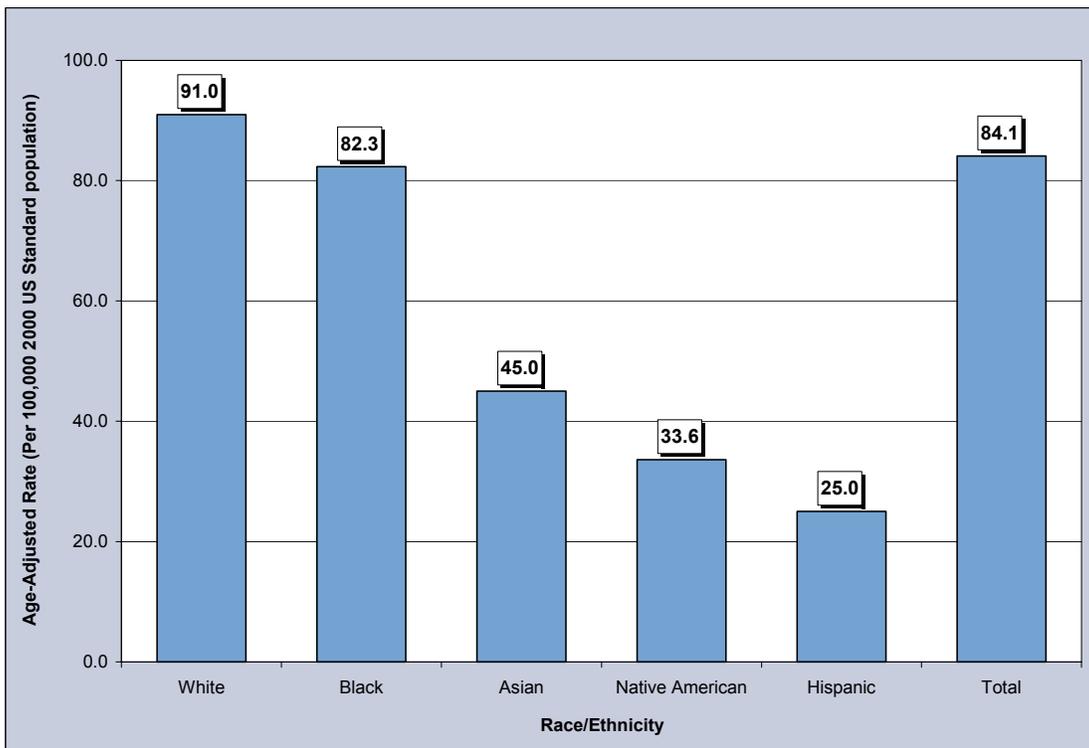


Table 42. Lung and Bronchus Cancer Cases by Gender, Race/Ethnicity and County/Region of Residence at Diagnosis, Nevada Residents (1996-2000) and SEER-11 (1995-1999)

Category	County/Region of Residence					SEER 11 (1995-1999)
	Nevada Total	Clark	Washoe	All Other Counties	Unknown	
Total						
Cases	7,162	4,930	1,122	1,108	2	104,761
Rate*	84.1	87.5	78.2	77.1	---	62.8
95% C.I.	(82.1-86.1)	(85.0-90.1)	(73.7-83.0)	(72.5-81.9)	---	(62.5-63.2)
Gender						
Male	3,947	2,712	603	630	2	58,573
Rate*	98.8	103.3	91.1	90.8	---	81.5
95% C.I.	(95.6-102.2)	(99.1-107.7)	(83.6-99.2)	(83.6-98.7)	---	(80.8-82.2)
Female	3,214	2,218	519	477	0	46,188
Rate*	72.2	75.1	68.2	64.9	---	49.3
95% C.I.	(69.7-74.7)	(71.9-78.3)	(62.4-74.3)	(59.2-71.1)	---	(48.9-49.8)
Other/Unknown	1	0	0	1	0	0
Race/Ethnicity						
White	6,522	4,386	1,053	1,081	2	86,528
Rate*	91.0	96.1	82.8	81.7	---	63.2
95% C.I.	(88.7-93.3)	(93.2-99.0)	(77.9-88.1)	(76.8-86.8)	---	(62.8-63.6)
Black	325	300	21	4	0	11,170
Rate*	82.3	81.8	93.6	---	---	81.1
95% C.I.	(73.2-92.7)	(72.3-92.6)	(56.7-148.3)	---	---	(79.6-82.7)
Native American	28	11	6	11	0	206
Rate*	33.6	31.4	---	33.5	---	20.5
95% C.I.	(21.9-50.6)	(14.9-65.7)	---	(16.4-62.2)	---	(17.7-17.7)
Asian	134	104	28	2	0	6,564
Rate*	45.0	44.6	56.9	---	---	43.6
95% C.I.	(36.1-56.9)	(34.2-59.0)	(36.0-97.5)	---	---	(42.5-44.7)
Hispanic	140	116	14	10	0	4,648
Rate*	25.0	27.1	21.3	15.9	---	29.8
95% C.I.	(20.5-30.6)	(21.6-34.1)	(10.9-41.4)	(7.1-34.0)	---	(28.9-30.7)
Other/Unknown	13	13	0	0	0	293

* Rates are per 100,000 population and age-adjusted to the 2000 US Standard population.

Note: The “---” is used for rates calculated on numbers less than ten. Caution should be used when comparing rates for racial/ethnic groups to the National (SEER) rates. See Technical Notes for more information.

Table 43. Lung and Bronchus Cancer Cases by Age Group and County/Region of Residence at Diagnosis, Nevada Residents (1996-2000) and SEER-11 (1995-1999)

Category	County/Region of Residence					SEER 11 (1995-1999)
	Nevada Total	Clark	Washoe	All Other Counties	Unknown	
Total						
Cases	7,162	4,930	1,122	1,108	2	104,761
Rate*	77.0	78.3	68.5	80.9	---	56.6
95% C.I.	(75.2-78.8)	(76.1-80.5)	(64.5-72.5)	(76.1-85.6)	---	(56.2-56.9)
Age Group						
<1	0	0	0	0	0	---
Rate*	---	---	---	---	---	---
95% C.I.	---	---	---	---	---	---
1-4	0	0	0	0	0	---
Rate*	---	---	---	---	---	---
95% C.I.	---	---	---	---	---	---
5-14	0	0	0	0	0	6
Rate*	---	---	---	---	---	---
95% C.I.	---	---	---	---	---	---
15-24	1	1	0	0	0	43
Rate*	---	---	---	---	---	0.2
95% C.I.	---	---	---	---	---	(0.1-0.2)
25-34	18	14	2	2	0	275
Rate*	1.3	1.4	---	---	---	0.9
95% C.I.	(0.7-1.8)	(0.7-2.1)	---	---	---	(0.8-1.1)
35-44	127	94	18	15	0	2,331
Rate*	8.5	9.5	6.5	6.6	---	7.5
95% C.I.	(7.0-10.0)	(7.6-11.4)	(3.5-9.5)	(3.3-10.0)	---	(7.2-7.8)
45-54	630	440	106	84	0	9,336
Rate*	52.1	55.5	47.2	43.7	---	40.8
95% C.I.	(48.0-56.2)	(50.4-60.7)	(38.2-56.2)	(34.3-53.0)	---	(40.0-41.6)
55-64	1,695	1,182	244	268	1	21,460
Rate*	196.9	203.3	172.5	194.3	---	153.3
95% C.I.	(187.5-206.3)	(191.7-214.9)	(150.8-194.1)	(171.0-217.5)	---	(151.2-155.3)
65-74	2,739	1,862	431	445	1	37,267
Rate*	441.8	449.1	427.3	425.9	---	323.0
95% C.I.	(425.3-458.4)	(428.7-469.5)	(387.0-467.7)	(386.3-465.4)	---	(319.7-326.3)
75-84	1,658	1,132	272	254	0	27,729
Rate*	505.9	523.5	494.3	449.7	---	381.5
95% C.I.	(481.5-530.2)	(493.0-554.0)	(435.5-553.0)	(394.4-505.0)	---	(377.0-386.0)
85+	293	204	49	40	0	6,312
Rate*	415.9	476.2	339.9	303.2	---	254.5
95% C.I.	(368.3-463.5)	(410.8-541.5)	(244.7-435.1)	(209.2-397.1)	---	(248.2-260.8)
Unknown	1	1	0	0	0	0

* Rates are per 100,000 age-specific population.

Note: The “---” is used for rates calculated on numbers less than ten and SEER numbers less than five. See Technical Notes for more information.

Table 44. Lung and Bronchus Cancer Cases by County of Residence at Diagnosis, Nevada Residents, 1996-2000

County of Residence at Diagnosis	1996-2000 Incidence				
	Cases	Rate*		Age-Adjusted Rate**	
		Rate	95% C.I.	Rate	95% C.I.
Carson City	260	106.1	(93.2-119.0)	89.2	(78.6-101.0)
Churchill	105	89.0	(72.0-106.0)	93.3	(76.2-113.5)
Clark	4,930	78.3	(76.1-80.5)	87.5	(85.0-90.1)
Douglas	128	64.0	(52.9-75.1)	54.6	(45.1-66.0)
Elko	74	32.3	(24.9-39.7)	58.5	(44.9-75.6)
Esmeralda	4	---	---	---	---
Eureka	5	---	---	---	---
Humboldt	37	44.1	(29.9-58.3)	60.7	(42.0-86.5)
Lander	19	59.3	(32.6-85.9)	100.0	(58.6-161.5)
Lincoln	18	88.3	(47.5-129.1)	67.7	(40.0-118.3)
Lyon	186	115.0	(98.4-131.5)	96.7	(83.2-112.4)
Mineral	35	127.1	(85.0-169.3)	94.3	(65.1-136.1)
Nye	204	137.4	(118.6-156.3)	96.2	(82.6-112.3)
Pershing	12	42.1	(18.3-65.9)	51.9	(26.7-93.4)
Storey	5	---	---	---	---
Washoe	1,122	68.5	(64.5-72.5)	78.2	(73.7-83.0)
White Pine	16	36.7	(18.7-54.7)	31.2	(17.8-52.6)
Unknown	2	---	---	---	---
Total	7,162	77.0	(75.2-78.8)	84.1	(82.1-86.1)

Note: The “---” is used for rates calculated on numbers less than ten. *Rates are per 100,000 population. **Rates are per 100,000 population and are age-adjusted to the 2000 US Standard population.

Table 45. Lung and Bronchus Cancer Cases by Race/Ethnicity and Gender, Nevada Residents, 1996-2000

Race/Ethnicity	Gender				
	Male	Female	Other/Unknown	Total	
White	Incidence	3,569	2,952	1	6,522
	Rate*	105.0	79.6	---	91.0
	95% C.I.	(101.4-108.8)	(76.7-82.5)	---	(88.7-93.3)
Black	Incidence	185	140	0	325
	Rate*	102.2	66.8	---	82.3
	95% C.I.	(86.4-121.8)	(55.8-79.6)	---	(73.2-92.7)
Native American	Incidence	15	13	0	28
	Rate*	40.5	29.9	---	33.6
	95% C.I.	(20.6-79.4)	(15.6-52.7)	---	(21.9-50.6)
Asian	Incidence	71	63	0	134
	Rate*	59.7	33.7	---	45.0
	95% C.I.	(43.8-83.0)	(24.5-48.7)	---	(36.1-56.9)
Hispanic	Incidence	99	41	0	140
	Rate*	36.5	14.7	---	25.0
	95% C.I.	(28.5-47.7)	(10.1-21.2)	---	(20.5-30.6)
Other/Unknown	8	5	0	13	
Total	Incidence	3,947	3,214	1	7,162
	Rate*	98.8	72.2	---	84.1
	95% C.I.	(95.6-102.2)	(69.7-74.7)	---	(82.1-86.1)

Note: The “---” is used for rates calculated on numbers less than ten. *Rates are per 100,000 population and are age-adjusted to the 2000 US Standard population.

Table 46. Lung and Bronchus Cancer Cases by Age Group and Gender, Nevada Residents, 1996-2000

Age Group	Gender			
	Male	Female	Other/ Unknown	Total
<1	0	0	0	0
Rate*	---	---	---	---
95% C.I.	---	---	---	---
1-4	0	0	0	0
Rate*	---	---	---	---
95% C.I.	---	---	---	---
5-14	0	0	0	0
Rate*	---	---	---	---
95% C.I.	---	---	---	---
15-24	0	1	0	1
Rate*	---	---	---	---
95% C.I.	---	---	---	---
25-34	13	5	0	18
Rate*	1.7	---	---	1.3
95% C.I.	(0.8-2.7)	---	---	(0.7-1.8)
35-44	63	64	0	127
Rate*	8.2	8.9	---	8.5
95% C.I.	(6.1-10.2)	(6.7-11.0)	---	(7.0-10.0)
45-54	327	303	0	630
Rate*	53.4	50.8	---	52.1
95% C.I.	(47.6-59.2)	(45.1-56.5)	---	(48.0-56.2)
55-64	969	725	1	1,695
Rate*	226.0	167.8	---	196.9
95% C.I.	(211.8-240.2)	(155.6-180.0)	---	(187.5-206.3)
65-74	1,547	1,192	0	2,739
Rate*	506.0	379.4	---	441.8
95% C.I.	(480.8-531.2)	(357.9-400.9)	---	(425.3-458.4)
75-84	877	781	0	1,658
Rate*	594.7	433.2	---	505.9
95% C.I.	(555.3-634.0)	(402.8-463.6)	---	(481.5-530.2)
85+	150	143	0	293
Rate*	661.6	299.3	---	415.9
95% C.I.	(555.7-767.4)	(250.3-348.4)	---	(368.3-463.5)
Unknown	1	0	0	1
Total	3,947	3,214	1	7,162
Rate*	83.4	70.3	---	77.0
95% C.I.	(80.8-86.1)	(67.9-72.7)	---	(75.2-78.8)

Note: The "—" is used for rates calculated on numbers less than ten.

* Rates are per 100,000 age-specific population.

Table 47. Lung and Bronchus Cancer Cases by Age Group and Stage, Nevada Residents, 1996-2000

Age Group		Stage					Total
		In situ	Localized	Regional	Distant	Unstaged	
<1	Number	0	0	0	0	0	0
	Percent	---	---	---	---	---	---
1-4	Number	0	0	0	0	0	0
	Percent	---	---	---	---	---	---
5-14	Number	0	0	0	0	0	0
	Percent	---	---	---	---	---	---
15-24	Number	0	0	1	0	0	1
	Percent	---	---	100.0%	---	---	100.0%
25-34	Number	0	5	3	7	3	18
	Percent	---	27.8%	16.7%	38.9%	16.7%	100.0%
35-44	Number	0	10	32	69	16	127
	Percent	---	7.9%	25.2%	54.3%	12.6%	100.0%
45-54	Number	0	75	115	302	138	630
	Percent	---	11.9%	18.3%	47.9%	21.9%	100.0%
55-64	Number	0	251	347	669	428	1,695
	Percent	---	14.8%	20.5%	39.5%	25.3%	100.0%
65-74	Number	0	460	548	907	824	2,739
	Percent	---	16.8%	20.0%	33.1%	30.1%	100.0%
75-84	Number	0	274	257	509	618	1,658
	Percent	---	16.5%	15.5%	30.7%	37.3%	100.0%
85+	Number	0	31	34	59	169	293
	Percent	---	10.6%	11.6%	20.1%	57.7%	100.0%
Unknown	Number	0	0	0	0	1	1
	Percent	---	---	---	---	100.0%	100.0%
Total	Number	0	1,106	1,337	2,522	2,197	7,162
	Percent	---	15.4%	18.7%	35.2%	30.7%	100.0%

Table 48. Lung and Bronchus Cancer Cases by Stage and Race/Ethnicity, Nevada Residents, 1996-2000

Stage		Race/Ethnicity						Total
		White	Black	Native American	Asian	Hispanic	Other/Unknown	
In situ	Number	0	0	0	0	0	0	0
	Percent	---	---	---	---	---	---	---
Localized	Number	1,019	43	0	22	14	8	1,106
	Percent	15.6%	13.2%	---	16.4%	10.0%	61.5%	15.4%
Regional	Number	1,212	64	6	23	30	2	1,337
	Percent	18.6%	19.7%	21.4%	17.2%	21.4%	15.4%	18.7%
Distant	Number	2,296	105	10	51	58	2	2,522
	Percent	35.2%	32.3%	35.7%	38.1%	41.4%	15.4%	35.2%
Unstaged	Number	1,995	113	12	38	38	1	2,197
	Percent	30.6%	34.8%	42.9%	28.4%	27.1%	7.7%	30.7%
Total	Number	6,522	325	28	134	140	13	7,162
	Percent	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%

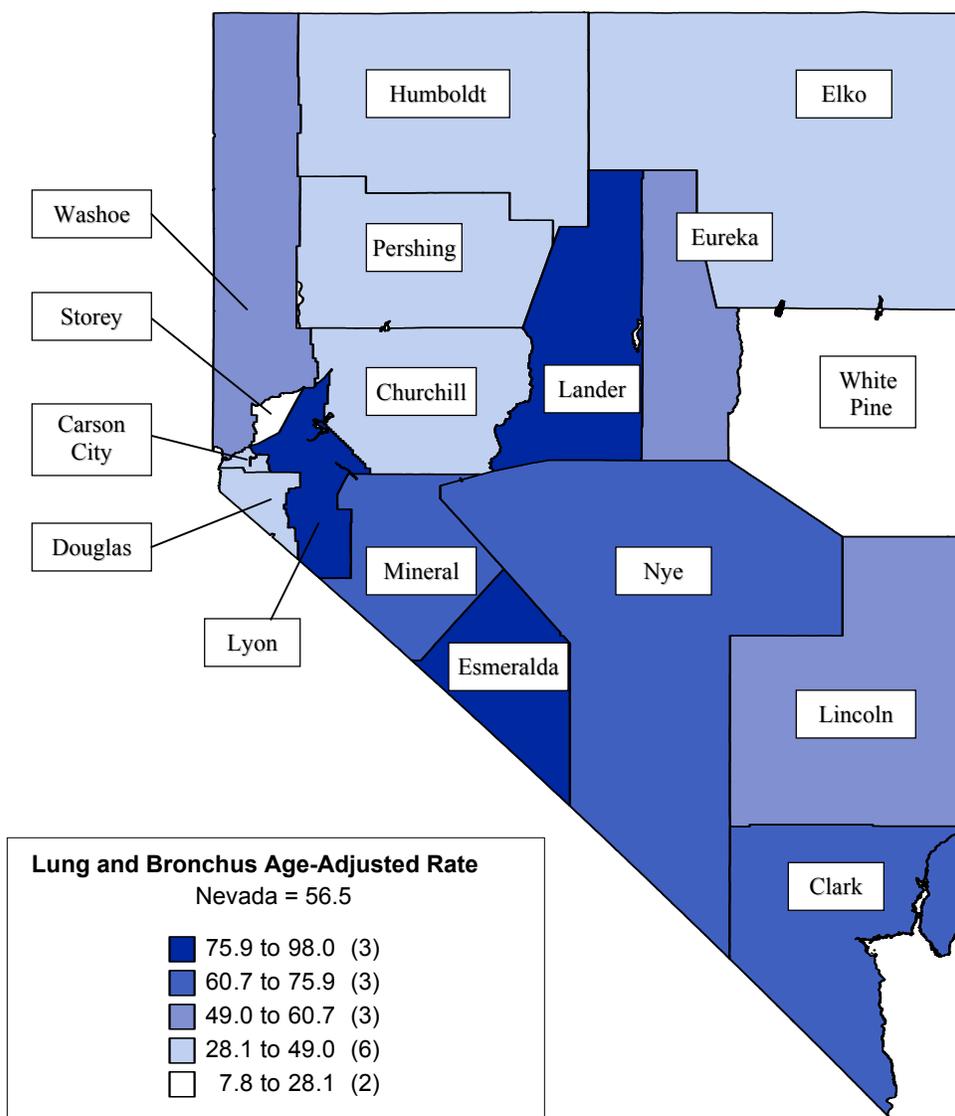
Table 49. Median Age at Diagnosis of Lung and Bronchus Cancer by Race/Ethnicity and Gender, Nevada Residents, 1996-2000

Race/Ethnicity	Gender					
	Male		Female		Total	
	Incidence	Median Age	Incidence	Median Age	Incidence	Median Age
White	3,568	69.0	2,952	69.0	6,520	69.0
Black	185	65.0	140	66.0	325	66.0
Native American	15	68.0	13	70.0	28	68.5
Asian	71	69.0	63	66.0	134	66.0
Hispanic	99	64.0	41	65.0	140	64.0
Other/Unknown	8	69.0	5	69.0	13	69.0
Total	3,946	68.0	3,214	69.0	7,160	69.0

Note: Those cases of other/unknown gender and/or unknown ages are not included in this table. The median age was not calculated for those numbers less than five.

INPATIENT HOSPITAL DISCHARGES

Figure 40. Lung and Bronchus Cancer Age-Adjusted (2000) Inpatient Hospital Discharge Rates, Nevada Residents, 1996-2000



Note: Rates are per 100,000 population and age-adjusted to 2000 US Standard population. Caution should be used when interpreting rates based upon small numbers and comparing inpatient hospital discharge rates to other data sources, because it is occurrence based data. See Technical notes for more information.

Figure 41. Lung and Bronchus Cancer Age-Adjusted Inpatient Discharge Rates by County/Region of Residence, Nevada Residents, 1996-2000

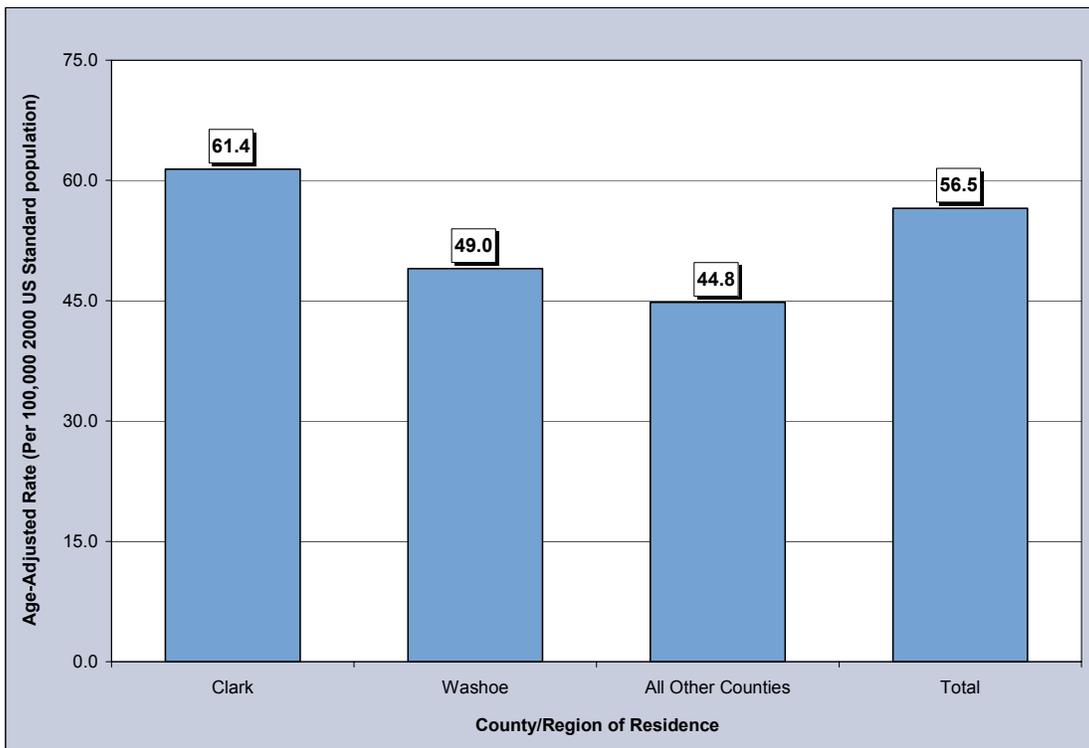


Figure 42. Median Charges for Lung and Bronchus Cancer Inpatient Discharges by County/Region of Residence, Nevada Residents, 1996-2000

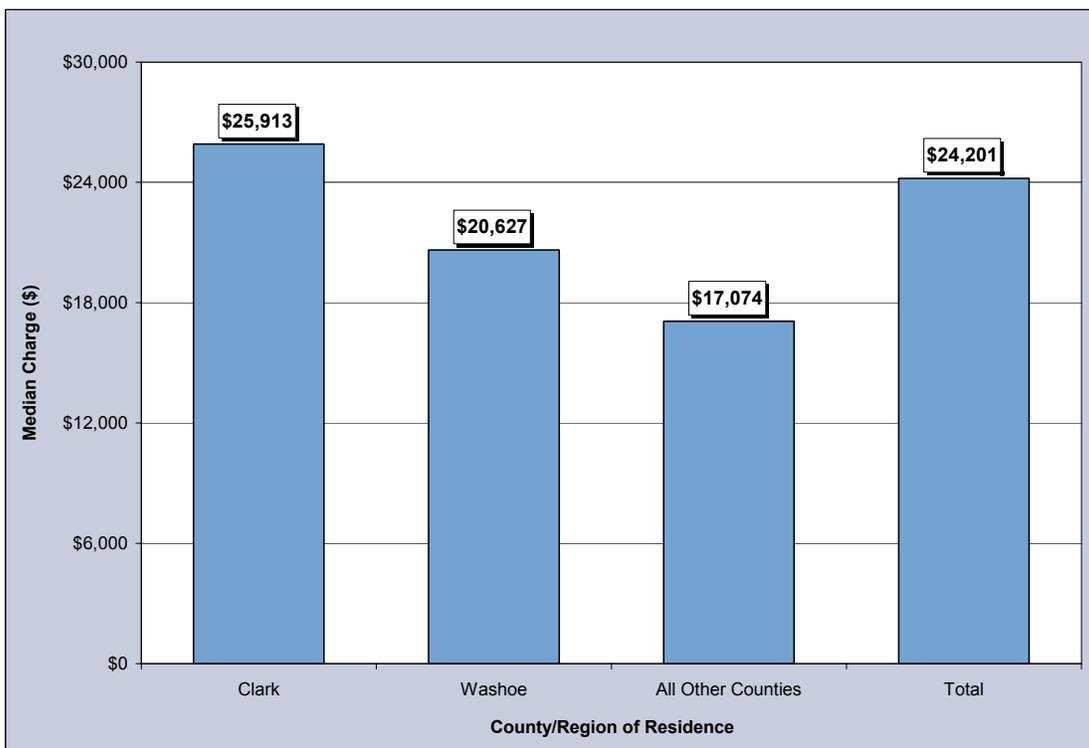


Figure 43. Average Length of Stay for Lung and Bronchus Cancer Inpatient Discharges by County/Region of Residence, Nevada Residents, 1996-2000

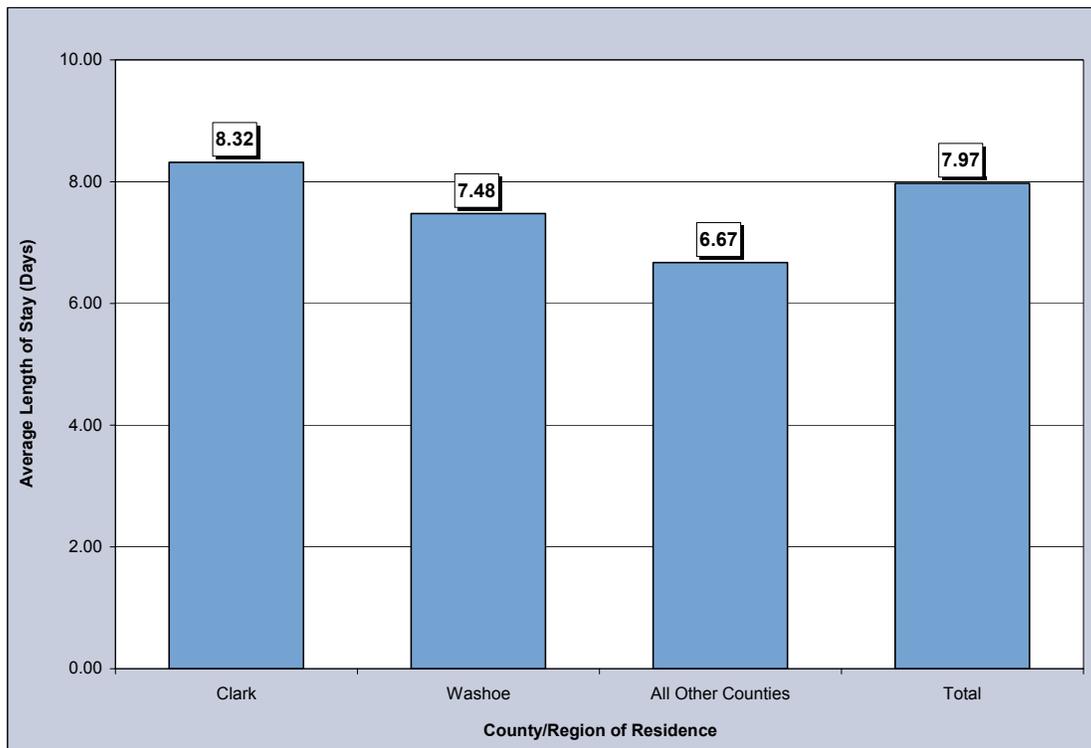


Table 50. Lung and Bronchus Cancer Inpatient Discharges by Gender, Charges, Length of Stay, and County/Region of Residence, Nevada Residents, 1996-2000

Category	County/Region of Residence				
	Nevada Total	Clark	Washoe	All Other Counties	Unknown
Total					
Discharges	4,895	3,532	709	651	3
Rate*	56.5	61.4	49.0	44.8	---
95% C.I.	(54.9-58.2)	(59.3-63.5)	(45.4-52.9)	(41.4-48.5)	---
Gender					
Male	2,592	1,908	333	349	2
Rate*	63.3	70.5	49.3	49.7	---
95% C.I.	(60.8-66.0)	(67.1-74.0)	(43.9-55.4)	(44.4-55.6)	---
Female	2,303	1,624	376	302	1
Rate*	51.2	54.2	49.2	40.8	---
95% C.I.	(49.1-53.3)	(51.5-56.9)	(44.3-54.5)	(36.3-45.7)	---
Other/Unknown	0	0	0	0	0
Inpatient Discharge Charges (\$)					
Total Charges	\$149,204,005	\$115,506,592	\$18,390,109	\$15,220,766	\$86,538
Average Charges	\$30,481	\$32,703	\$25,938	\$23,381	\$28,846
Median Charges	\$24,201	\$25,913	\$20,627	\$17,074	\$5,794
Discharge Length of Stay (LOS) (Days)					
Total LOS	39,033	29,376	5,302	4,343	12
Average LOS	8.0	8.3	7.5	6.7	4.0
Median LOS	6.0	7.0	6.0	5.0	1.0

* Rates are per 100,000 population and are age-adjusted to the 2000 US Standard population.

Note: The "---" is used for rates calculated on numbers less than ten. Caution should be used when comparing inpatient hospital discharge data to other data sources, since it is occurrence-based data. Please see Technical Notes for more information.

Table 51. Lung and Bronchus Cancer Inpatient Discharges by Age Group and County/Region of Residence, Nevada Residents, 1996-2000

Category	County/Region of Residence				
	Nevada Total	Clark	Washoe	All Other Counties	Unknown
Total					
Discharges	4,895	3,532	709	651	3
Rate*	52.6	56.1	43.3	47.5	---
95% C.I.	(51.1-54.1)	(54.3-58.0)	(40.1-46.5)	(43.9-51.2)	---
Age Group					
<1	0	0	0	0	0
Rate*	---	---	---	---	---
95% C.I.	---	---	---	---	---
1-4	0	0	0	0	0
Rate*	---	---	---	---	---
95% C.I.	---	---	---	---	---
5-14	0	0	0	0	0
Rate*	---	---	---	---	---
95% C.I.	---	---	---	---	---
15-24	1	1	0	0	0
Rate*	---	---	---	---	---
95% C.I.	---	---	---	---	---
25-34	10	9	0	1	0
Rate*	0.7	---	---	---	---
95% C.I.	(0.3-1.1)	---	---	---	---
35-44	123	95	12	16	0
Rate*	8.2	9.6	4.3	5.8	---
95% C.I.	(6.8-9.7)	(7.7-11.5)	(1.9-6.8)	(2.9-8.6)	---
45-54	480	357	70	53	0
Rate*	39.7	45.1	31.2	23.6	---
95% C.I.	(36.1-43.3)	(40.4-49.7)	(23.9-38.5)	(17.2-30.0)	---
55-64	1,277	947	174	156	0
Rate*	148.3	162.9	123.0	110.3	---
95% C.I.	(140.2-156.5)	(152.5-173.2)	(104.7-141.3)	(93.0-127.6)	---
65-74	1,837	1,294	263	279	1
Rate*	296.3	312.1	260.8	276.6	---
95% C.I.	(282.8-309.9)	(295.1-329.1)	(229.3-292.3)	(244.2-309.1)	---
75-84	1,016	725	164	126	1
Rate*	310.0	335.3	298.0	229.0	---
95% C.I.	(290.9-329.0)	(310.9-359.7)	(252.4-343.6)	(189.0-269.0)	---
85+	151	104	26	20	1
Rate*	214.3	242.8	180.4	138.7	---
95% C.I.	(180.1-248.5)	(196.1-289.4)	(111.0-249.7)	(77.9-199.5)	---
Unknown	0	0	0	0	0

* Rates are per 100,000 age-specific population.

Note: The "----" is used for rates calculated on numbers less than ten. Caution should be used when comparing inpatient hospital discharge data to other data sources, since it is occurrence-based data. Please see Technical Notes for more information.

Table 52. Lung and Bronchus Cancer Inpatient Discharges by Age Group and Gender, Nevada Residents, 1996-2000

Age Group	Gender		
	Male	Female	Total
<1	0	0	0
Rate*	---	---	---
95% C.I.	---	---	---
1-4	0	0	0
Rate*	---	---	---
95% C.I.	---	---	---
5-14	0	0	0
Rate*	---	---	---
95% C.I.	---	---	---
15-24	0	1	1
Rate*	---	---	---
95% C.I.	---	---	---
25-34	7	3	10
Rate*	---	---	0.7
95% C.I.	---	---	(0.3-1.1)
35-44	55	68	123
Rate*	7.1	9.4	8.2
95% C.I.	(5.2-9.0)	(7.2-11.7)	(6.8-9.7)
45-54	241	239	480
Rate*	39.4	40.1	39.7
95% C.I.	(34.4-44.3)	(35.0-45.1)	(36.1-43.3)
55-64	702	575	1,277
Rate*	163.7	133.1	148.3
95% C.I.	(151.6-175.8)	(122.2-143.9)	(140.2-156.5)
65-74	990	847	1,837
Rate*	323.8	269.6	296.3
95% C.I.	(303.6-344.0)	(251.4-287.8)	(282.8-309.9)
75-84	520	496	1,016
Rate*	352.6	275.1	310.0
95% C.I.	(322.3-382.9)	(250.9-299.3)	(290.9-329.0)
85+	77	74	151
Rate*	339.6	154.9	214.3
95% C.I.	(263.8-415.5)	(119.6-190.2)	(180.1-248.5)
Unknown	0	0	0
Total	2,592	2,303	4,895
Rate*	54.8	50.4	52.6
95% C.I.	(52.7-56.9)	(48.3-52.4)	(51.1-54.1)

* Rates are per 100,000 age-specific population.

Note: The "---" is used for rates calculated on numbers less than ten. Caution should be used when comparing inpatient hospital discharge data to other data sources, since it is occurrence-based data. Please see Technical Notes for more information.

Table 53. Lung and Bronchus Cancer Inpatient Discharges by County/Region of Residence, Nevada Residents, 1996-2000

County of Residence	1996-2000 Inpatient Hospital Discharges				
	Number	Rate*		Age-Adjusted Rate**	
		Rate	95% C.I.	Rate	95% C.I.
Carson City	93	37.9	(30.2-45.7)	31.4	(25.3-38.6)
Churchill	49	41.5	(29.9-53.2)	42.1	(31.1-56.2)
Clark	3,532	56.1	(54.3-58.0)	61.4	(59.3-63.5)
Douglas	75	37.5	(29.0-46.0)	33.2	(25.7-42.8)
Elko	35	15.3	(10.2-20.3)	28.1	(19.1-40.7)
Esmeralda	8	---	---	---	---
Eureka	5	---	---	---	---
Humboldt	28	33.4	(21.0-45.7)	43.0	(28.1-65.1)
Lander	14	43.7	(20.8-66.6)	76.0	(40.0-133.0)
Lincoln	14	68.7	(32.7-104.7)	52.2	(28.4-99.6)
Lyon	153	94.6	(79.6-109.5)	81.1	(68.5-95.7)
Mineral	22	79.9	(46.5-113.3)	65.3	(40.3-103.7)
Nye	139	93.6	(78.1-109.2)	60.8	(50.8-73.3)
Pershing	7	---	---	---	---
Storey	2	---	---	---	---
Washoe	709	43.3	(40.1-46.5)	49.0	(45.4-52.9)
White Pine	7	---	---	---	---
Unknown	3	---	---	---	---
Total	4,895	52.6	(51.1-54.1)	56.5	(54.9-58.2)

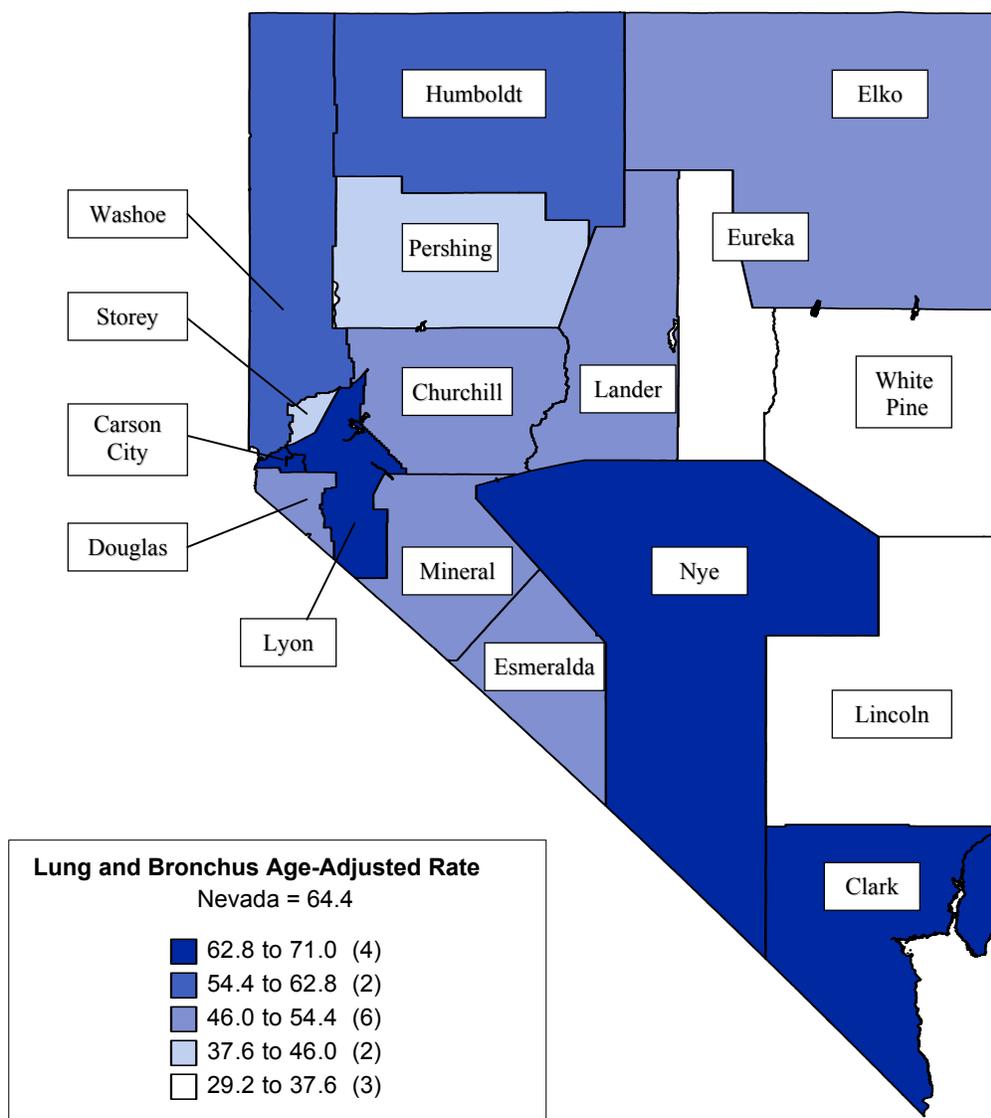
Note: The “---“ is used for rates calculated on numbers less than ten. *Rates are per 100,000 population. **Rates are per 100,000 population and are age-adjusted to the 2000 US Standard population.

Table 54. Lung and Bronchus Cancer Inpatient Discharges by Age Group, Charges and Length of Stay, Nevada Residents, 1996-2000

Age Group	Discharges	Charges (\$)			Length of Stay (Days)		
		Total	Average	Median	Total	Average	Median
<1	0	---	---	---	---	---	---
1-4	0	---	---	---	---	---	---
5-14	0	---	---	---	---	---	---
15-24	1	---	---	---	---	---	---
25-34	10	716,742	71,674	29,282	84	8.4	7.0
35-44	123	3,304,320	26,864	22,913	962	7.8	6.0
45-54	480	14,204,815	29,593	24,894	3,861	8.0	6.0
55-64	1,277	41,924,255	32,830	25,431	10,741	8.4	6.0
65-74	1,837	56,394,156	30,699	24,939	14,210	7.7	6.0
75-84	1,016	28,949,516	28,494	22,091	7,946	7.8	7.0
85+	151	3,686,000	24,411	18,730	1,225	8.1	7.0
Unknown	0	---	---	---	---	---	---
Total	4,895	149,204,005	30,481	24,201	39,033	8.0	6.0

MORTALITY

Figure 44. Lung and Bronchus Cancer Age-Adjusted (2000) Mortality Rates, Nevada Residents, 1996-2000



Note: Rates are per 100,000 population and age-adjusted to 2000 US Standard population. Caution should be used when interpreting rates based upon small numbers. See Technical notes for more information.

Figure 45. Lung and Bronchus Cancer Age-Adjusted Mortality Rates by County/Region of Residence, Nevada Residents, 1996-2000

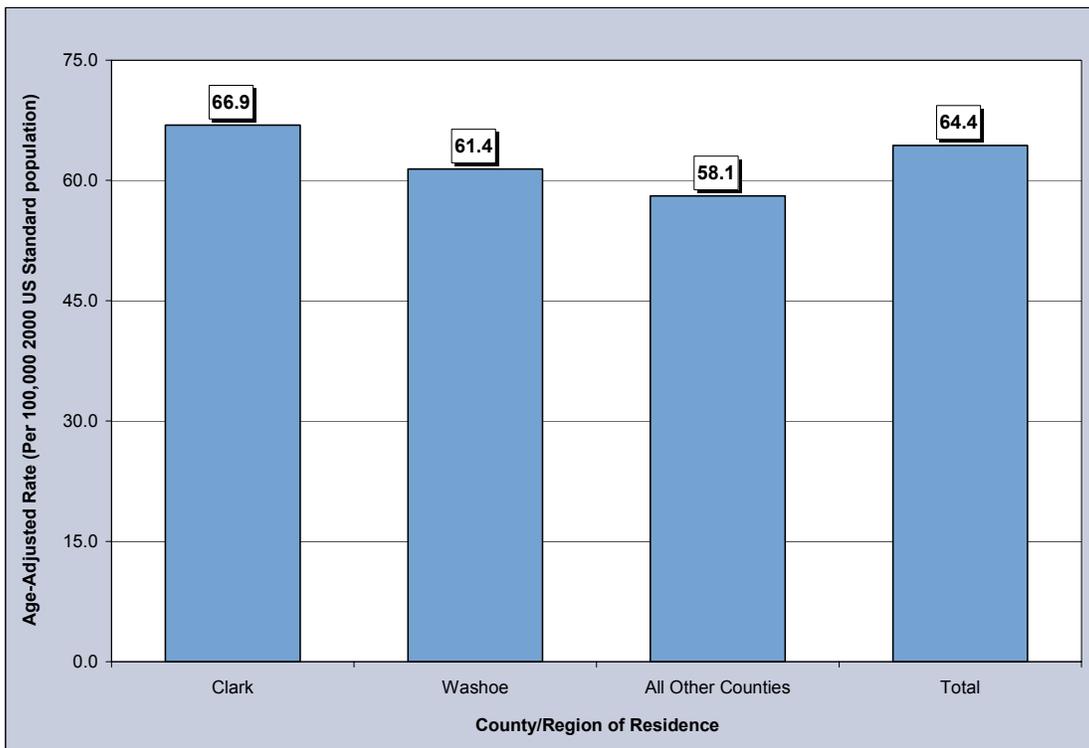


Figure 46. Lung and Bronchus Cancer Age-Adjusted Mortality Rates by Race/Ethnicity, Nevada Residents, 1996-2000

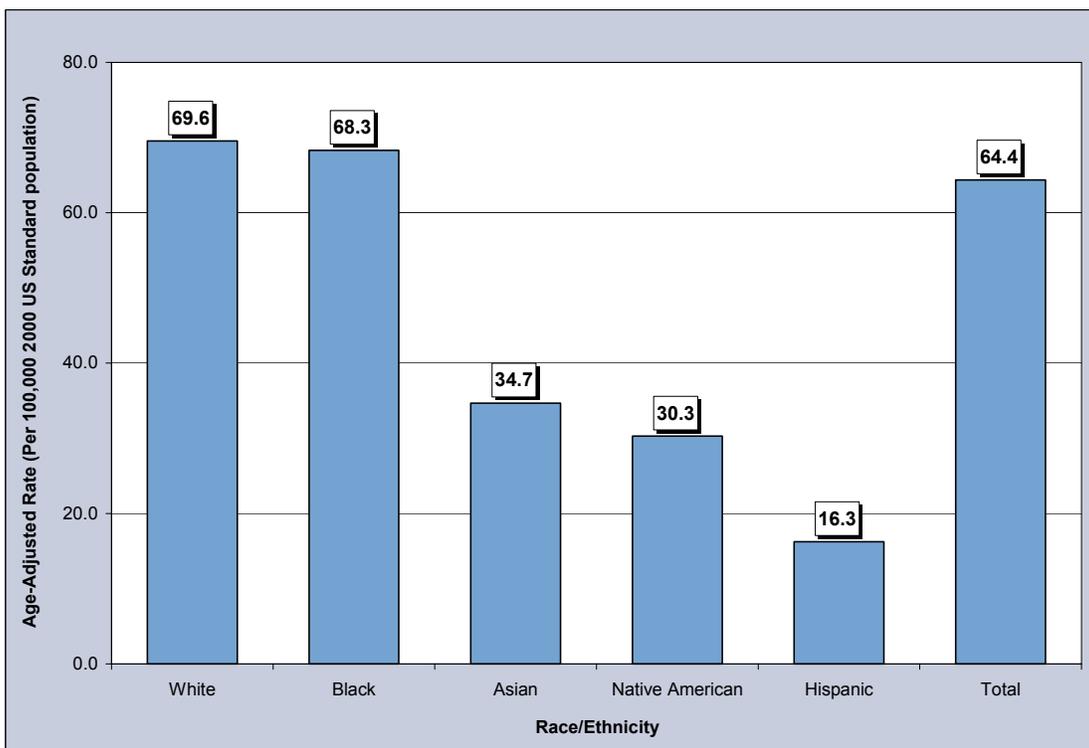


Table 55. Lung and Bronchus Cancer Mortality by Gender, Race/Ethnicity and County/Region of Residence, Nevada Residents, 1996-2000

Category	County/Region of Residence			
	Nevada Total	Clark	Washoe	All Other Counties
Total				
Mortality	5,385	3,692	864	829
Rate*	64.4	66.9	61.4	58.1
95% C.I.	(62.6-66.2)	(64.7-69.2)	(57.3-65.8)	(54.1-62.3)
Gender				
Male	3,032	2,082	466	484
Rate*	78.1	82.0	72.5	70.6
95% C.I.	(75.1-81.2)	(78.1-86.0)	(65.7-80.0)	(64.2-77.6)
Female	2,353	1,610	398	345
Rate*	53.4	55.3	52.8	47.0
95% C.I.	(51.3-55.7)	(52.6-58.1)	(47.7-58.3)	(42.1-52.3)
Other/Unknown	0	0	0	0
Race/Ethnicity				
White	4,926	3,296	821	809
Rate*	69.6	73.2	65.5	61.4
95% C.I.	(67.6-71.6)	(70.7-75.9)	(61.0-70.2)	(57.2-65.9)
Black	263	249	12	2
Rate*	68.3	69.8	56.2	---
95% C.I.	(59.8-78.0)	(60.8-80.0)	(28.2-102.8)	---
Native American	25	9	8	8
Rate*	30.3	---	---	---
95% C.I.	(19.1-46.8)	---	---	---
Asian	86	71	13	2
Rate*	34.7	37.6	29.8	---
95% C.I.	(25.6-47.2)	(26.5-53.4)	(14.6-67.0)	---
Hispanic	80	65	8	7
Rate*	16.3	17.1	---	---
95% C.I.	(12.4-21.3)	(12.7-23.2)	---	---
Other/Unknown	5	2	2	1

Note: The “---” is used for rates calculated on numbers less than ten.

*Rates are per 100,000 population and are age-adjusted to the 2000 US Standard population.

Table 56. Lung and Bronchus Cancer Mortality by Age Group and County/Region of Residence, Nevada Residents, 1996-2000

Category	County/Region of Residence			
	Nevada Total	Clark	Washoe	All Other Counties
Total				
Mortality	5,385	3,692	864	829
Rate*	57.9	58.6	52.8	60.5
95% C.I.	(56.3-59.4)	(56.8-60.5)	(49.2-56.3)	(56.4-64.6)
Age Group				
<1	0	0	0	0
Rate*	---	---	---	---
95% C.I.	---	---	---	---
1-4	0	0	0	0
Rate*	---	---	---	---
95% C.I.	---	---	---	---
5-14	0	0	0	0
Rate*	---	---	---	---
95% C.I.	---	---	---	---
15-24	1	1	0	0
Rate*	---	---	---	---
95% C.I.	---	---	---	---
25-34	7	7	0	0
Rate*	---	---	---	---
95% C.I.	---	---	---	---
35-44	77	54	13	10
Rate*	5.2	5.5	4.7	4.4
95% C.I.	(4.0-6.3)	(4.0-6.9)	(2.1-7.2)	(1.7-7.2)
45-54	430	313	64	53
Rate*	35.6	39.5	28.5	27.6
95% C.I.	(32.2-38.9)	(35.1-43.9)	(21.5-35.5)	(20.1-35.0)
55-64	1,174	804	181	189
Rate*	136.4	138.3	128.0	137.0
95% C.I.	(128.6-144.2)	(128.7-147.8)	(109.3-146.6)	(117.5-156.5)
65-74	2,036	1,387	314	335
Rate*	328.4	334.6	311.3	320.6
95% C.I.	(314.2-342.7)	(317.0-352.2)	(276.9-345.8)	(286.3-354.9)
75-84	1,377	927	242	208
Rate*	420.1	428.7	439.8	368.3
95% C.I.	(397.9-442.3)	(401.1-456.3)	(384.4-495.2)	(318.2-418.3)
85+	282	198	50	34
Rate*	400.3	462.2	346.8	257.7
95% C.I.	(353.6-447.0)	(397.8-526.6)	(250.7-443.0)	(171.1-344.3)
Unknown	1	1	0	0

Note: The "—" is used for rates calculated on numbers less than ten.

* Rates are per 100,000 age-specific population.

Table 57. Lung and Bronchus Cancer Mortality by County of Residence, Nevada Residents, 1996-2000

County of Residence	1996-2000 Mortality				
	Cases	Rate*		Age-Adjusted Rate**	
		Rate	95% C.I.	Rate	95% C.I.
Carson City	207	84.4	(72.9-96.0)	71.0	(61.6-81.5)
Churchill	56	47.5	(35.0-59.9)	49.8	(37.5-65.3)
Clark	3,692	58.6	(56.8-60.5)	66.9	(64.7-69.2)
Douglas	115	57.5	(47.0-68.0)	50.1	(40.9-61.2)
Elko	61	26.6	(19.9-33.3)	50.2	(37.4-66.6)
Esmeralda	4	---	---	---	---
Eureka	3	---	---	---	---
Humboldt	34	40.5	(26.9-54.1)	59.6	(40.7-85.8)
Lander	10	31.2	(11.9-50.5)	51.2	(23.3-100.1)
Lincoln	9	---	---	---	---
Lyon	133	82.2	(68.2-96.2)	68.1	(56.9-81.4)
Mineral	19	69.0	(38.0-100.1)	52.7	(31.3-87.5)
Nye	144	97.0	(81.2-112.9)	67.8	(56.5-81.7)
Pershing	9	---	---	---	---
Storey	9	---	---	---	---
Washoe	864	52.8	(49.2-56.3)	61.4	(57.3-65.8)
White Pine	16	36.7	(18.7-54.7)	31.9	(18.2-53.7)
Unknown	0	---	---	---	---
Total	5,385	57.9	(56.3-59.4)	64.4	(62.6-66.2)

Note: The “---“ is used for rates calculated on numbers less than ten. *Rates are per 100,000 population. **Rates are per 100,000 population and are age-adjusted to the 2000 US Standard population.

Table 58. Lung and Bronchus Cancer Mortality by Race/Ethnicity and Gender, Nevada Residents, 1996-2000

Race/Ethnicity		Gender		
		Male	Female	Total
White	Mortality	2,757	2,169	4,926
	Rate*	82.9	58.8	69.6
	95% C.I.	(79.6-86.3)	(56.3-61.4)	(67.6-71.6)
Black	Mortality	164	99	263
	Rate*	95.9	47.5	68.3
	95% C.I.	(79.8-115.9)	(38.3-58.6)	(59.8-78.0)
Native American	Mortality	14	11	25
	Rate*	42.2	24.7	30.3
	95% C.I.	(20.2-84.1)	(12.1-45.9)	(19.1-46.8)
Asian	Mortality	41	45	86
	Rate*	40.4	30.3	34.7
	95% C.I.	(25.7-63.3)	(19.6-47.3)	(25.6-47.2)
Hispanic	Mortality	54	26	80
	Rate*	23.2	10.5	16.3
	95% C.I.	(16.2-33.8)	(6.5-16.4)	(12.4-21.3)
Other/Unknown		2	3	5
Total	Mortality	3,032	2,353	5,385
	Rate*	78.1	53.4	64.4
	95% C.I.	(75.1-81.2)	(51.3-55.7)	(62.6-66.2)

Note: The “---“ is used for rates calculated on numbers less than ten. *Rates are per 100,000 population and are age-adjusted to the 2000 US Standard population.

Table 59. Lung and Bronchus Cancer Mortality by Age Group and Gender, Nevada Residents, 1996-2000

Age Group	Gender		
	Male	Female	Total
<1	0	0	0
Rate*	---	---	---
95% C.I.	---	---	---
1-4	0	0	0
Rate*	---	---	---
95% C.I.	---	---	---
5-14	0	0	0
Rate*	---	---	---
95% C.I.	---	---	---
15-24	0	1	1
Rate*	---	---	---
95% C.I.	---	---	---
25-34	5	2	7
Rate*	---	---	---
95% C.I.	---	---	---
35-44	34	43	77
Rate*	4.4	6.0	5.2
95% C.I.	(2.9-5.9)	(4.2-7.7)	(4.0-6.3)
45-54	232	198	430
Rate*	37.9	33.2	35.6
95% C.I.	(33.0-42.8)	(28.6-37.8)	(32.2-38.9)
55-64	707	467	1,174
Rate*	164.9	108.1	136.4
95% C.I.	(152.7-177.1)	(98.3-117.9)	(128.6-144.2)
65-74	1,164	872	2,036
Rate*	380.7	277.6	328.4
95% C.I.	(358.8-402.6)	(259.1-296.0)	(314.2-342.7)
75-84	742	635	1,377
Rate*	503.1	352.2	420.1
95% C.I.	(466.9-539.3)	(324.8-379.6)	(397.9-442.3)
85+	147	135	282
Rate*	648.3	282.6	400.3
95% C.I.	(543.5-753.1)	(234.9-330.2)	(353.6-447.0)
Unknown	1	0	1
Total	3,032	2,353	5,385
Rate*	64.1	51.5	57.9
95% C.I.	(61.8-66.4)	(49.4-53.5)	(56.3-59.4)

Note: The "----" is used for rates calculated on numbers less than ten.

* Rates are per 100,000 age-specific population.

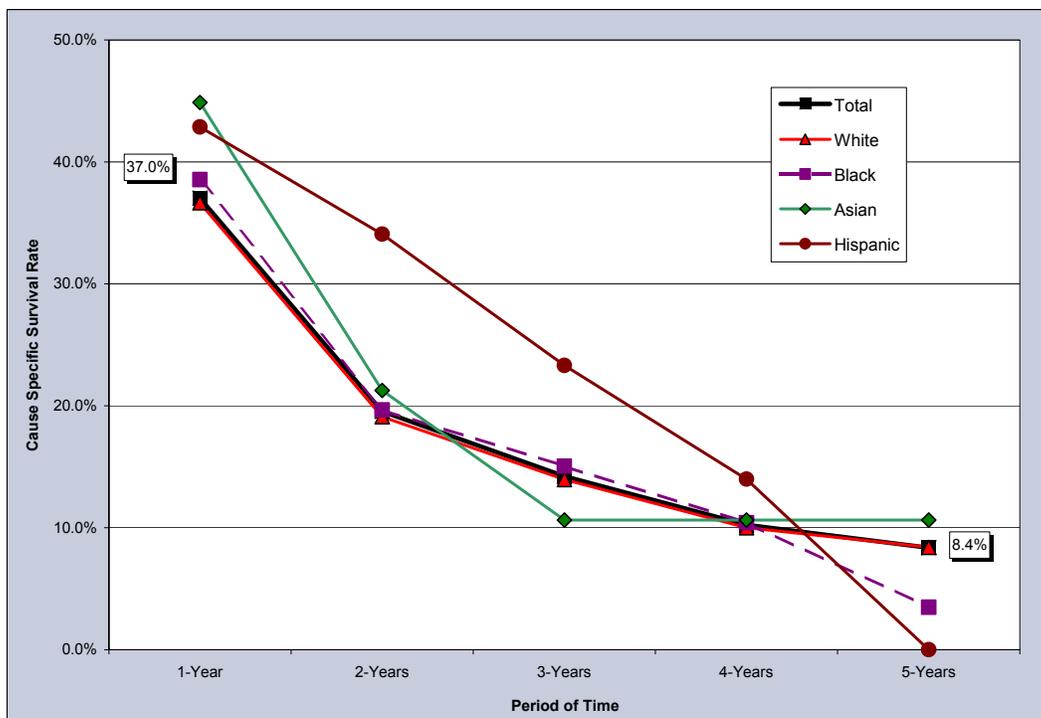
Table 60. Median Age at Death from Lung and Bronchus Cancer by Race/Ethnicity and Gender, Nevada Residents, 1996-2000

Race/Ethnicity	Gender					
	Male		Female		Total	
	Deaths	Median Age	Deaths	Median Age	Deaths	Median Age
White	2,756	70.0	2,169	70.0	4,925	70.0
Black	164	66.0	99	66.0	263	66.0
Native American	14	67.0	11	69.0	25	68.0
Asian	41	69.0	45	68.0	86	68.5
Hispanic	54	66.0	26	67.5	80	66.0
Other/Unknown	2	---	3	---	5	70.0
Total	3,031	69.0	2,353	70.0	5,384	70.0

Note: Those cases of other/unknown gender and/or unknown ages are not included in this table. The median age was not calculated for those numbers less than five.

SURVIVAL RATE

Figure 47. Survival Rates for Lung and Bronchus Cancer by Race/Ethnicity, Nevada Residents, 1996-2000



Notes: The survival rate for those racial/ethnic groups not included in this chart could not be calculated due to small cell size.

Figure 48. Survival Rates for Lung and Bronchus Cancer by Stage of Cancer at Diagnosis, Nevada Residents, 1996-2000

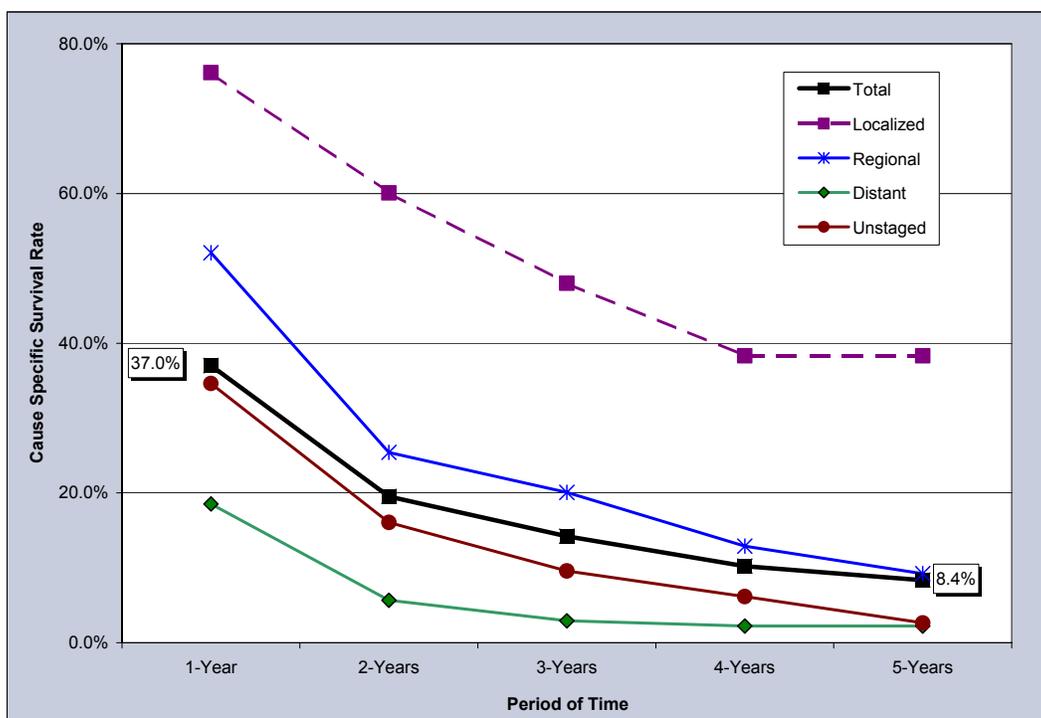


Table 61. Cause-Specific Survival Rates for Lung and Bronchus Cancer by Race/Ethnicity and Gender, Nevada Residents, 1996-2000

Race/ Ethnicity and Gender	Number of Cases	Cause Specific Survival Rate					Median Survival Time (years)
		One Year	Two Years	Three Years	Four Years	Five Years	
Total	4,702	37.0%	19.5%	14.2%	10.2%	8.4%	0.79
Male	2,575	34.4%	18.2%	13.5%	9.5%	8.2%	0.76
Female	2,127	40.3%	21.2%	15.1%	11.1%	8.6%	0.84
Race/Ethnicity							
White	4,276	36.6%	19.1%	13.9%	10.0%	8.4%	0.79
Male	2,331	34.0%	17.6%	13.1%	9.1%	7.7%	0.76
Female	1,945	39.8%	20.9%	14.9%	11.1%	9.3%	0.83
Black	213	38.5%	19.7%	15.0%	10.4%	3.5%	0.81
Male	119	31.2%	15.6%	11.4%	11.4%	11.4%	0.73
Female	94	48.2%	25.0%	19.7%	9.9%	0.0%	0.97
Native American	16	---	---	---	---	---	---
Male	9	---	---	---	---	---	---
Female	7	---	---	---	---	---	---
Asian	90	44.9%	21.3%	10.6%	10.6%	10.6%	0.91
Male	46	---	---	---	---	---	---
Female	44	---	---	---	---	---	---
Hispanic	97	42.9%	34.1%	23.3%	14.0%	---	0.88
Male	64	41.4%	32.8%	27.8%	16.7%	---	0.85
Female	33	---	---	---	---	---	---

Notes: 1) The “---” indicates that survival rate could not be calculated due to small cell size. Caution should be used when interpreting survival rates based upon categories with a small number of cases. 2) Those cases where the gender and/or race/ethnicity were other/unknown, are not shown separately, but are included in the category totals. 3) These rates may not be directly comparable to National rates because of different methodologies. Caution should be used when trying to compare rates for Nevada and the Nation. For more information on the calculation of survival rates, please refer to Technical Notes section.

Table 62. Cause-Specific Survival Rates for Lung and Bronchus Cancer by Stage of Cancer at Diagnosis and Gender, Nevada Residents, 1996-2000

Survival Rate of Stage at Diagnosis		Gender		
		Total	Male	Female
Total	Cases	4,702	2,575	2,127
	One Year	37.0%	34.4%	40.3%
	5 Years	8.4%	8.2%	8.6%
	Median Survival	0.79	0.76	0.84
Stage at Diagnosis				
In situ	Cases	0	0	0
	One Year	---	---	---
	5 Years	---	---	---
	Median Survival	---	---	---
Localized	Cases	751	392	359
	One Year	76.1%	73.5%	79.2%
	5 Years	38.3%	37.8%	38.9%
	Median Survival	2.84	2.74	2.95
Regional	Cases	987	522	465
	One Year	52.1%	54.5%	49.4%
	5 Years	9.2%	9.5%	8.9%
	Median Survival	1.08	1.15	0.99
Distant	Cases	1,954	1,115	839
	One Year	18.5%	15.8%	22.2%
	5 Years	2.2%	1.8%	2.7%
	Median Survival	0.61	0.59	0.64
Unstaged	Cases	1,010	546	464
	One Year	34.6%	30.6%	39.4%
	5 Years	2.6%	3.6%	2.9%
	Median Survival	0.76	0.72	0.83

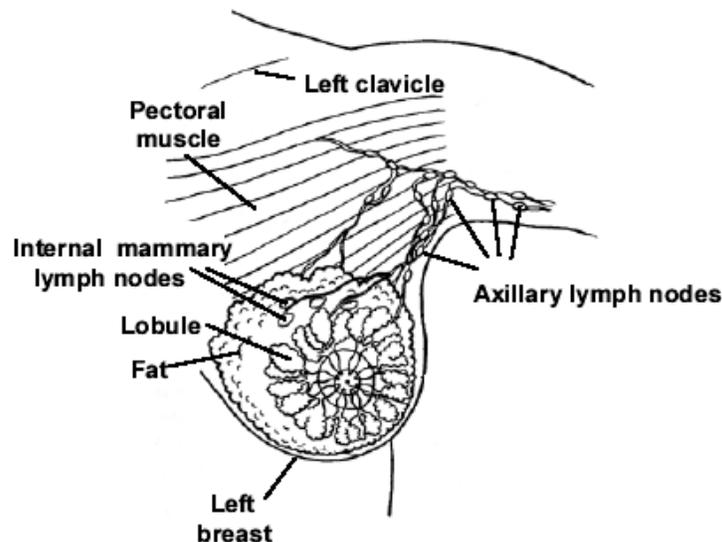
Notes: 1) The “---” indicates that survival rate could not be calculated due to small cell size. Caution should be used when interpreting survival rates based upon categories with a small number of cases. 2) These rates may not be directly comparable to National rates because of different methodologies. Caution should be used when trying to compare rates for Nevada and the Nation. For more information on the calculation of survival rates, please refer to Technical Notes section.

BREAST CANCER

BREAST CANCER

GENERAL PROFILE⁴

Figure 49. Anatomy of the Breast⁵



General Anatomy: Each breast has 15 to 20 sections called lobes. Within each lobe are many smaller lobules, which end in dozens of tiny bulbs that can produce milk. The lobes, lobules, and bulbs are all linked by thin tubes called ducts. These ducts lead to the nipple in the center of a dark area of skin called the areola. Fat surrounds the lobules and ducts. Each breast also contains blood vessels and lymph vessels. The lymph vessels carry colorless fluid called lymph, and lead to small bean-shaped organs called lymph nodes. Clusters of lymph nodes are found near the breast in the axilla (under the arm), above the collarbone, and in the chest. Lymph nodes are also found in many other parts of the body.

Risk Factors: Personal, and/or family, history of Breast Cancer, atypical hyperplasia, lobular carcinoma in situ, prolonged levels of estrogen, later childbearing, breast density, radiation therapy, and alcohol use are all important risk factors.

Signs and Symptoms: Common signs and symptoms include: A lump or thickening in or near the breast or in the underarm area, change in the size or shape of the breast, nipple discharge or tenderness, nipple inverted into breast, ridges or pitting of the breast, and a change in the way the skin of the breast, areola, or nipple looks or feels (for example, warm, swollen, red, or scaly).

Diagnosing the Cancer: The most common ways of diagnosing Breast Cancer are: clinical breast exam, mammography, ultrasonography, fine-needle aspiration, and needle or surgical biopsy.

Treatment: Treatment options include: surgery (Lumpectomy, Segmental Mastectomy, Simple Mastectomy, and Radical Mastectomy), radiation therapy, chemotherapy, hormonal therapy, and biological therapy.

HIGHLIGHTS

- The ratio of the age-adjusted incidence rate, 124.3, to the age-adjusted mortality rate, 26.1 (per 100,000 – 2000 US Standard female population), for Female Breast Cancer was 4.76 during the 1996 to 2000 period, which means that for every 4.76 Female Breast Cancer cases there was one female death due to Breast Cancer in Nevada during this period.
- The median age at diagnosis of Breast Cancer for Nevada females was 61 years of age from 1996 to 2000. The median age at time of death due to Breast Cancer for females was 67 years.

CANCER SCREENING

- From 1996 to 2000, 93.9% of the 5,593 Nevadan females who responded had ever had a mammogram and/or a clinical breast exam to try and detect early signs of Breast Cancer.
- The percentage of women who stated their education level at less than high school, 89.8% (87.1%-92.5%), or high school, 91.3% (90.0%-92.6%), had a statistically significant lower rate of ever having had a mammogram and/or clinical breast exam than those who stated their education level at some post high school, 96.0% (95.1%-96.9%), or college graduate, 96.7% (95.7%-97.7%), during the 1996 to 2000 period.
- Those women whose age was 18 to 24 years, 80.7% (77.3%-84.1%), had the lowest statistically significant percentage of ever having a mammogram and/or a clinical breast exam of any age group surveyed from 1996 to 2000. However, those women 25 to 34 years of age also had a statistically significant lower percentage, 92.2% (90.6%-93.8%), than all other age groups surveyed.

INCIDENCE

- There were 5,582 cases of Female Breast Cancer reported in Nevada from 1996 to 2000. Regional comparisons showed that Washoe County's age-adjusted incidence rate, 148.1 (139.6-156.9), was statistically higher than the rate for Clark County, 119.6 (115.7-123.7), and the All Other Counties region, 117.8 (110.0-126.1), during this period. However, Nevada and all three regions had lower statistically significant rates than the National rate, 161.3 (160.4-162.1 - per 100,000 – 2000 US Standard female population) during this period.
- Asian females were considerably lower than the statewide median age at time of diagnosis for Breast Cancer (61 years) with a median age of 52 years, the lowest of any racial/ethnic group. The racial/ethnic group with the highest median age at diagnosis was White females with a median age of 62 years for the 1996 to 2000 period.
- White females accounted for 88.9% of all reported Female Breast Cancer cases in Nevada from 1996 to 2000. They had a statistically significant higher rate, 137.7 (133.9-

141.6), than Black females, 96.0 (83.5-110.3), Asian females, 52.5 (42.6-67.6), Hispanic females, 42.8 (35.8-51.3), and Native American females, 38.8 (23.6-61.7), per 100,000 – 2000 US Standard population, during this period.

INPATIENT HOSPITAL DISCHARGES

- There were 2,524 female hospital inpatient discharges with a primary diagnosis of Breast Cancer from 1996 to 2000. Washoe County had the highest age-adjusted inpatient discharge rate, 62.4, for Female Breast Cancer, and was followed by Clark County and the All Other Counties region with rates of 55.9 and 50.8 (per 100,000 – 2000 US Standard female population), respectively.
- Total billed charges for hospital inpatient discharges from Breast Cancer in Nevada totaled nearly 35 million dollars from 1996 to 2000. Washoe County had the highest median total charge (\$12,108) and average length of stay (2.8 days) during this time; once regional comparisons were made.
- The overall average billed charge per day for a Breast Cancer inpatient hospital discharge in Nevada was over \$5,600 from 1996 to 2000.

MORTALITY

- There were 1,128 female deaths in Nevada due to Breast Cancer from 1996 to 2000. While Washoe County had a higher age-adjusted mortality rate for Female Breast Cancer (28.8) than Clark County (26.4) and All Other Counties (21.7), statistical analysis does not indicate a statistical difference between the three regions or the statewide rate of 26.1 (per 100,000 – 2000 US Standard female population) for this period.
- Racial/ethnic comparisons showed that Black and White females had higher age-adjusted mortality rates, 32.8 and 27.8, respectively, when compared to Asians and Hispanics who had rates of 13.0 and 11.8 (per 100,000 – 2000 US Standard female population), respectively, from 1996 to 2000.

SURVIVAL RATE

- Hispanic females in Nevada had the highest one-year survival rate (96.7%) of any racial/ethnic group for Female Breast Cancer during the 1996 to 2000 period. They were followed by Asian, White and Black females with rates of 95.7%, 94.4% and 86.4%, respectively. However, Asian females had the highest five-year survival rate (87.8%) for Female Breast Cancer during this time, while White, Hispanic and Black females followed with rates of 73.9%, 62.8% and 47.4%, respectively.
- The five-year survival rate for females diagnosed with Breast Cancer at the in situ stage was 96.7% for Nevada from 1996 to 2000. The rate for those at the localized stage was 86.4%, while those recorded at the regional, distant and unstaged stages had rates of 68.1%, 6.0% and 21.6%, respectively.

SCREENING (BRFSS)

Table 63. Female Breast Cancer Screening by County/Region of Residence, Education, Age Group, and Income, Nevada Residents, 1996-2000

Responses	Answers						Total
	Yes			No			
	Number	Percent*	95% C.I.	Number	Percent*	95% C.I.	
Total							
Responses	5,248	93.9%	(93.3%-94.5%)	345	6.1%	(5.5%-6.7%)	5,593
County/Region of Residence							
Clark County	1,687	94.2%	(93.1%-95.3%)	110	5.8%	(4.7%-6.9%)	1,797
Washoe County	1,745	94.6%	(93.6%-95.6%)	105	5.4%	(4.4%-6.4%)	1,850
All Other Counties	1,816	92.0%	(90.8%-93.2%)	130	8.0%	(6.8%-9.2%)	1,946
Education							
Less than High School	443	89.8%	(87.1%-92.5%)	56	10.2%	(7.5%-12.9%)	499
High School	1,668	91.3%	(90.0%-92.6%)	146	8.7%	(7.4%-10.0%)	1,814
Some Post High School	1,862	96.0%	(95.1%-96.9%)	104	4.0%	(3.1%-4.9%)	1,966
College Graduate	1,264	96.7%	(95.7%-97.7%)	38	3.3%	(2.3%-4.3%)	1,302
Age Group							
18-24 years old	398	80.7%	(77.3%-84.1%)	110	19.3%	(15.9%-22.7%)	508
25-34 years old	973	92.2%	(90.6%-93.8%)	66	7.8%	(6.2%-9.4%)	1,039
35-44 years old	1,248	95.5%	(94.4%-96.6%)	59	4.5%	(3.4%-5.6%)	1,307
45-54 years old	1,031	97.8%	(96.9%-98.7%)	23	2.2%	(1.3%-3.1%)	1,054
55-64 years old	671	96.9%	(95.6%-98.2%)	21	3.1%	(1.8%-4.4%)	692
65+ years old	904	95.5%	(94.2%-96.8%)	63	4.5%	(3.2%-5.8%)	967
Income							
Less than \$15,000	582	91.1%	(88.9%-93.3%)	69	8.9%	(6.7%-11.1%)	651
\$15,000 - \$24,999	467	90.0%	(87.4%-92.6%)	59	10.0%	(7.4%-12.6%)	526
\$25,000 - \$34,999	812	93.6%	(92.0%-95.2%)	52	6.4%	(4.8%-8.0%)	864
\$35,000 - \$49,999	1,024	95.0%	(93.7%-96.3%)	40	5.0%	(3.7%-6.3%)	1,064
\$50,000 or More	1,533	96.5%	(95.6%-97.4%)	36	3.5%	(2.6%-4.4%)	1,569

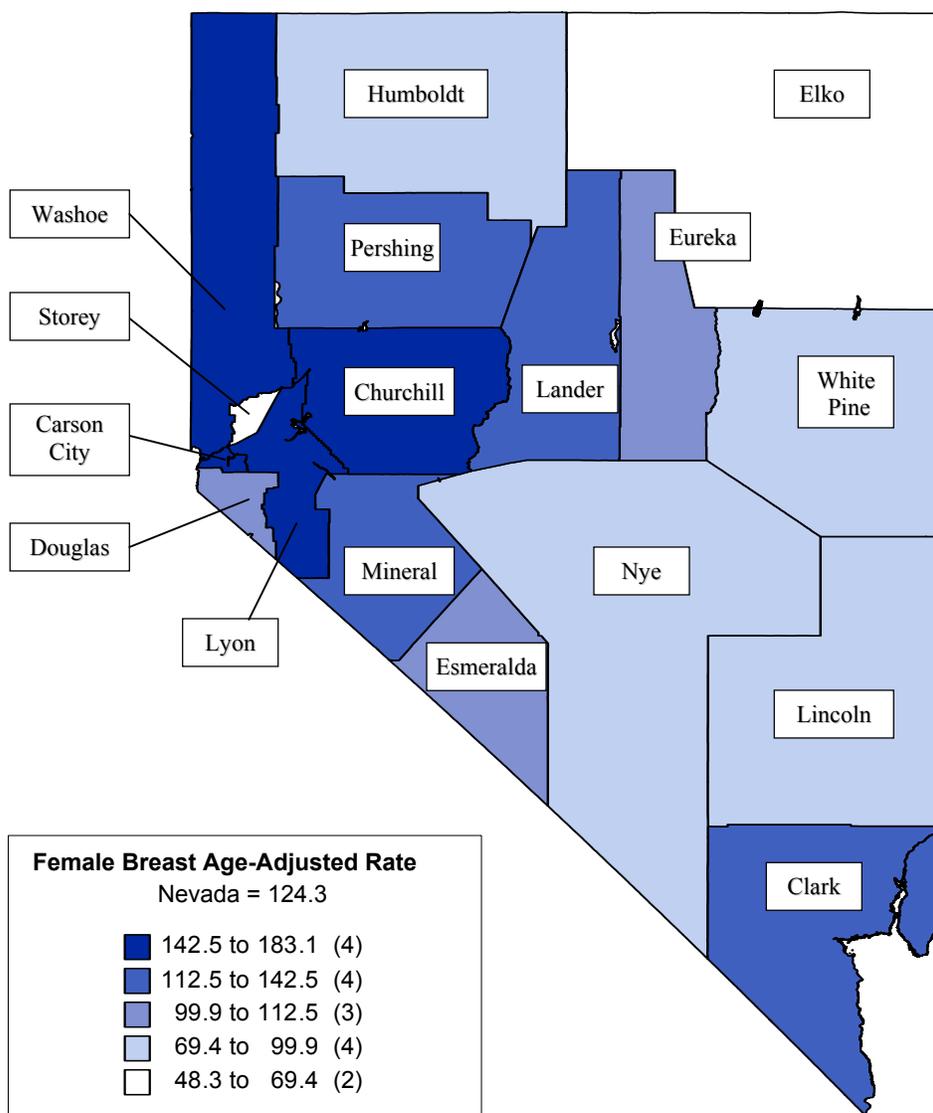
*Denominator is persons age 18-64 and excludes missing, don't know, and refused responses.

Note: This table includes those respondents who answered "Yes" or "No" to either of the following questions:

- 1) A mammogram is an x-ray of each breast to look for breast cancer. Have you ever had a mammogram?
- 2) A clinical breast exam is when a doctor, nurse, or other health professional feels the breast for lumps. Have you ever had a clinical breast exam?

INCIDENCE

Figure 50. Female Breast Cancer Age-Adjusted (2000) Incidence Rates, Nevada Residents, 1996-2000



Note: Rates are per 100,000 female population and age-adjusted to 2000 US Standard population. Caution should be used when interpreting rates based upon small numbers. See Technical notes for more information.

Figure 51. Female Breast Cancer Age-Adjusted Incidence Rates by County/Region of Residence, Nevada Residents, 1996-2000

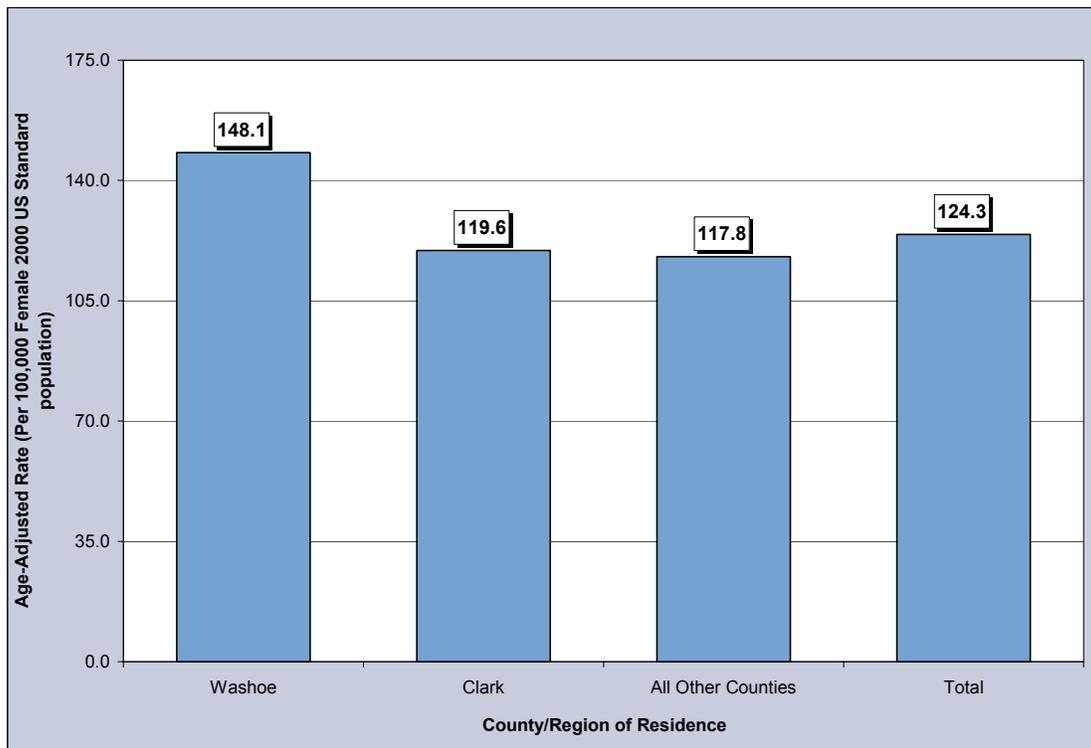


Figure 52. Female Breast Cancer Age-Adjusted Incidence Rates by Race/Ethnicity, Nevada Residents, 1996-2000

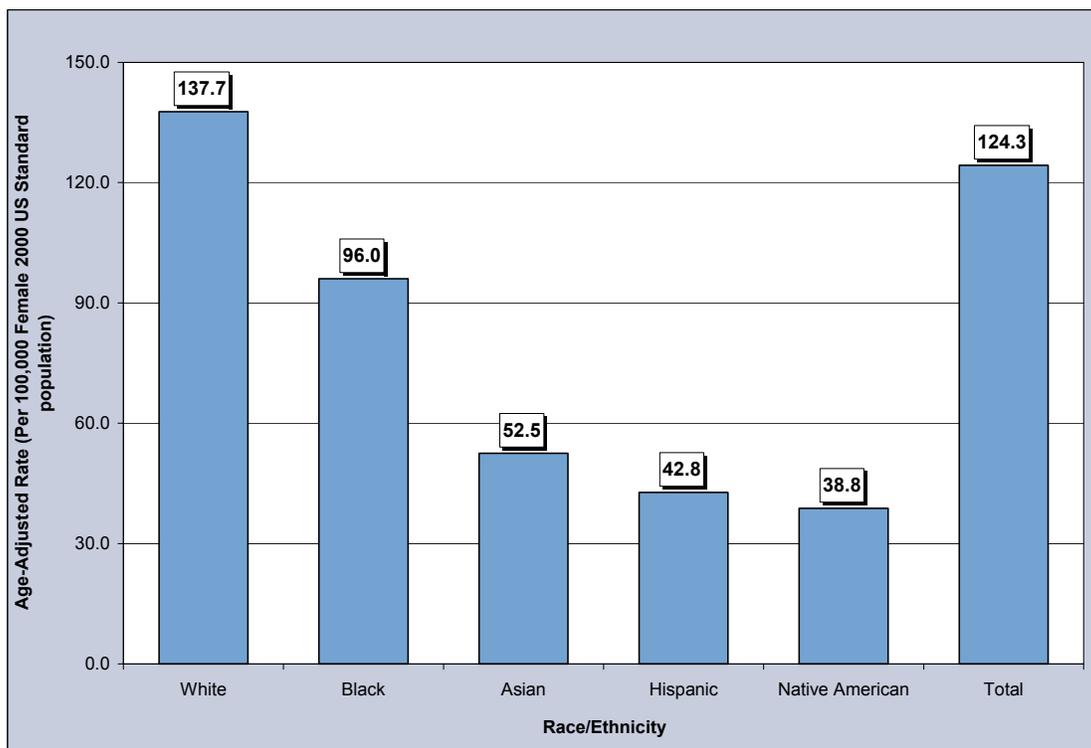


Table 64. Breast Cancer Cases by Gender, Race/Ethnicity and County/Region of Residence at Diagnosis, Nevada Residents (1996-2000) and SEER-11 (1995-1999)

Category	County/Region of Residence					SEER 11 (1995-1999)
	Nevada Total	Clark	Washoe	All Other Counties	Unknown	
Total						
Cases	5,643	3,605	1,170	867	1	148,611
Rate*	64.8	62.4	78.0	60.9	---	87.9
95% C.I.	(63.1-66.6)	(60.3-64.5)	(73.5-82.7)	(56.8-65.2)	---	(87.5-88.4)
Gender						
Male	59	33	12	14	0	923
Rate*	1.5	1.3	1.8	2.0	---	---
95% C.I.	(1.1-2.0)	(0.9-2.0)	(0.9-3.6)	(1.1-3.7)	---	---
Female	5,582	3,572	1,156	853	1	147,688
Rate*	124.3	119.6	148.1	117.8	---	161.3
95% C.I.	(121.0-127.6)	(115.7-123.7)	(139.6-156.9)	(110.0-126.1)	---	(160.4-162.1)
Other/Unknown	2	0	2	0	0	0
Race/Ethnicity						
White	4,962	3,054	1,084	823	1	122,654
Rate*	137.7	134.3	161.2	126.0	---	166.8
95% C.I.	(133.9-141.6)	(129.5-139.2)	(151.8-171.2)	(117.5-135.1)	---	(165.9-167.8)
Black	229	212	13	4	0	12,369
Rate*	96.0	95.8	106.6	---	---	145.9
95% C.I.	(83.5-110.3)	(82.7-110.8)	(56.2-188.2)	---	---	(143.4-148.6)
Native American	21	4	7	10	0	324
Rate*	38.8	---	---	46.4	---	46.7
95% C.I.	(23.6-61.7)	---	---	(22.0-88.7)	---	(41.6-52.3)
Asian	131	102	25	4	0	11,003
Rate*	52.5	52.0	61.7	---	---	120.4
95% C.I.	(42.6-67.6)	(40.8-70.0)	(38.4-128.1)	---	---	(118.1-122.7)
Hispanic	164	127	26	11	0	9,833
Rate*	42.8	41.7	53.7	38.1	---	95.2
95% C.I.	(35.8-51.3)	(34.0-51.5)	(32.2-91.2)	(17.9-75.9)	---	(93.3-97.1)
Other/Unknown	75	73	1	1	0	1,338

* Rates are per 100,000 population and age-adjusted to the 2000 US Standard population. Rates for race/ethnicity groups are per 100,000 female population and age-adjusted to the 2000 US Standard population.

Note: The "----" is used for rates calculated on numbers less than ten and SEER numbers less than five. Caution should be used when comparing rates for racial/ethnic groups to the National (SEER) rates. See Technical Notes for more information.

Table 65. Female Breast Cancer Cases by Age Group and County/Region of Residence at Diagnosis, Nevada Residents (1996-2000) and SEER-11 (1995-1999)

Category	County/Region of Residence					
	Nevada Total	Clark	Washoe	All Other Counties	Unknown	SEER 11 (1995-1999)
Total						
Cases	5,582	3,572	1,156	853	1	147,688
Rate*	122.1	115.5	143.2	126.7	---	157.0
95% C.I.	(118.9-125.3)	(111.7-119.3)	(135.0-151.5)	(118.2-135.2)	---	(156.2-157.8)
Age Group						
<1	0	0	0	0	0	---
Rate*	---	---	---	---	---	---
95% C.I.	---	---	---	---	---	---
1-4	0	0	0	0	0	---
Rate*	---	---	---	---	---	---
95% C.I.	---	---	---	---	---	---
5-14	0	0	0	0	0	---
Rate*	---	---	---	---	---	---
95% C.I.	---	---	---	---	---	---
15-24	3	3	0	0	0	109
Rate*	---	---	---	---	---	0.9
95% C.I.	---	---	---	---	---	(0.7-1.0)
25-34	97	67	16	14	0	2,761
Rate*	14.1	13.7	13.2	18.0	---	19.0
95% C.I.	(11.3-16.9)	(10.5-17.0)	(6.7-19.6)	(8.6-27.4)	---	(18.3-19.7)
35-44	591	392	132	67	0	16,467
Rate*	81.9	82.7	97.0	59.9	---	104.9
95% C.I.	(75.3-88.5)	(74.5-90.9)	(80.4-113.5)	(45.5-74.2)	---	(103.3-106.5)
45-54	1,225	793	264	168	0	33,764
Rate*	205.3	201.8	240.7	178.6	---	290.6
95% C.I.	(193.8-216.8)	(187.7-215.8)	(211.7-269.8)	(151.6-205.6)	---	(287.5-293.7)
55-64	1,298	845	248	205	0	30,854
Rate*	300.4	286.3	356.1	304.4	---	423.6
95% C.I.	(284.0-316.7)	(267.0-305.6)	(311.8-400.4)	(262.7-346.1)	---	(418.9-428.3)
65-74	1,372	868	275	228	1	33,105
Rate*	436.7	413.6	528.6	436.2	---	518.7
95% C.I.	(413.6-459.8)	(386.1-441.1)	(466.1-591.1)	(379.6-492.8)	---	(513.1-524.3)
75-84	795	481	173	141	0	24,254
Rate*	441.0	406.7	549.9	461.6	---	555.0
95% C.I.	(410.3-471.6)	(370.3-443.0)	(468.0-631.9)	(385.4-537.8)	---	(548.0-561.9)
85+	200	122	48	30	0	7,294
Rate*	418.6	416.0	479.3	355.7	---	419.5
95% C.I.	(360.6-476.6)	(342.2-489.8)	(343.7-614.9)	(228.4-483.0)	---	(409.8-429.1)
Unknown	1	1	0	0	0	0

*Rates are per 100,000 age-specific female population.

Note: The "----" is used for rates calculated on numbers less than ten and SEER numbers less than five. See Technical Notes for more information.

Table 66. Female Breast Cancer Cases by County of Residence at Diagnosis, Nevada Residents, 1996-2000 (Revised)

County of Residence at Diagnosis	1996-2000 Incidence				
	Cases	Rate*		Age-Adjusted Rate**	
		Rate	95% C.I.	Rate	95% C.I.
Carson City	276	221.3	(195.2-247.4)	183.1	(161.9-206.6)
Churchill	82	139.5	(109.3-169.7)	142.5	(113.3-177.3)
Clark	3,572	115.5	(111.7-119.3)	119.6	(115.7-123.7)
Douglas	123	124.2	(102.2-146.1)	99.9	(82.8-120.7)
Elko	41	37.5	(26.0-49.0)	52.0	(36.6-72.9)
Esmeralda	3	---	---	---	---
Eureka	4	---	---	---	---
Humboldt	28	69.9	(44.0-95.8)	83.5	(54.6-123.5)
Lander	13	83.5	(38.1-128.9)	112.5	(58.4-200.5)
Lincoln	8	---	---	---	---
Lyon	132	165.5	(137.3-193.8)	142.6	(119.1-170.0)
Mineral	20	146.9	(82.5-211.3)	124.0	(74.9-199.5)
Nye	83	115.5	(90.7-140.4)	81.1	(64.0-103.2)
Pershing	15	108.6	(53.6-163.6)	122.3	(68.3-203.3)
Storey	6	---	---	---	---
Washoe	1,156	143.2	(135.0-151.5)	148.1	(139.6-156.9)
White Pine	19	87.8	(48.3-127.2)	76.7	(45.8-124.7)
Unknown	1	---	---	---	---
Total	5,582	122.1	(118.9-125.3)	124.3	(121.0-127.6)

Note: The “---“ is used for rates calculated on numbers less than ten. *Rates are per 100,000 female population. **Rates are per 100,000 female population and are age-adjusted to the 2000 US Standard population.

Table 67. Breast Cancer Cases by Race/Ethnicity and Gender, Nevada Residents, 1996-2000

Race/Ethnicity	Gender				
	Male	Female	Other/Unknown	Total	
White	Incidence	51	4,962	2	5,015
	Rate*	1.5	137.7	---	71.0
	95% C.I.	(1.1-2.1)	(133.9-141.6)	---	(69.0-73.0)
Black	Incidence	6	229	0	235
	Rate*	---	96.0	---	53.0
	95% C.I.	---	(83.5-110.3)	---	(45.9-61.4)
Native American	Incidence	0	21	0	21
	Rate*	---	38.8	---	21.0
	95% C.I.	---	(23.6-61.7)	---	(12.6-34.5)
Asian	Incidence	1	131	0	132
	Rate*	---	52.5	---	30.5
	95% C.I.	---	(42.6-67.6)	---	(24.8-39.0)
Hispanic	Incidence	1	164	0	165
	Rate*	---	42.8	---	22.2
	95% C.I.	---	(35.8-51.3)	---	(18.4-27.1)
Other/Unknown	0	75	0	75	
Total	Incidence	59	5,582	2	5,643
	Rate*	1.5	124.3	---	64.8
	95% C.I.	(1.1-2.0)	(121.0-127.6)	---	(63.1-66.6)

Note: The “---“ is used for rates calculated on numbers less than ten. *Rates are per 100,000 female population and are age-adjusted to the 2000 US Standard population.

Table 68. Breast Cancer Cases by Age Group and Gender, Nevada Residents, 1996-2000

Age Group	Gender			
	Male	Female	Other/ Unknown	Total
<1	0	0	0	0
Rate*	---	---	---	---
95% C.I.	---	---	---	---
1-4	0	0	0	0
Rate*	---	---	---	---
95% C.I.	---	---	---	---
5-14	0	0	0	0
Rate*	---	---	---	---
95% C.I.	---	---	---	---
15-24	0	3	0	3
Rate*	---	---	---	---
95% C.I.	---	---	---	---
25-34	1	97	0	98
Rate*	---	14.1	---	6.8
95% C.I.	---	(11.3-16.9)	---	(5.5-8.2)
35-44	3	591	0	594
Rate*	---	81.9	---	39.8
95% C.I.	---	(75.3-88.5)	---	(36.6-43.0)
45-54	7	1,225	1	1,233
Rate*	---	205.3	---	102.0
95% C.I.	---	(193.8-216.8)	---	(96.3-107.7)
55-64	15	1,298	0	1,313
Rate*	3.5	300.4	---	152.5
95% C.I.	(1.7-5.3)	(284.0-316.7)	---	(144.3-160.8)
65-74	14	1,372	1	1,387
Rate*	4.6	436.7	---	223.7
95% C.I.	(2.2-7.0)	(413.6-459.8)	---	(212.0-235.5)
75-84	17	795	0	812
Rate*	11.5	441.0	---	247.7
95% C.I.	(6.0-17.0)	(410.3-471.6)	---	(230.7-264.8)
85+	2	200	0	202
Rate*	---	418.6	---	286.7
95% C.I.	---	(360.6-476.6)	---	(247.2-326.3)
Unknown	0	1	0	1
Total	59	5,582	2	5,643
Rate*	1.2	122.1	---	60.7
95% C.I.	(0.9-1.6)	(118.9-125.3)	---	(59.1-62.2)

Note: The “---” is used for rates calculated on numbers less than ten.

* Rates are per 100,000 age-specific population.

Table 69. Breast Cancer Cases by Age Group and Stage, Nevada Residents, 1996-2000

Age Group		Stage					Total
		In situ	Localized	Regional	Distant	Unstaged	
<1	Number	0	0	0	0	0	0
	Percent	---	---	---	---	---	---
1-4	Number	0	0	0	0	0	0
	Percent	---	---	---	---	---	---
5-14	Number	0	0	0	0	0	0
	Percent	---	---	---	---	---	---
15-24	Number	0	1	1	0	1	3
	Percent	---	33.3%	33.3%	---	33.3%	100.0%
25-34	Number	9	39	36	5	9	98
	Percent	9.2%	39.8%	36.7%	5.1%	9.2%	100.0%
35-44	Number	72	256	201	37	28	594
	Percent	12.1%	43.1%	33.8%	6.2%	4.7%	100.0%
45-54	Number	208	566	316	50	93	1,233
	Percent	16.9%	45.9%	25.6%	4.1%	7.5%	100.0%
55-64	Number	179	642	349	60	83	1,313
	Percent	13.6%	48.9%	26.6%	4.6%	6.3%	100.0%
65-74	Number	191	705	288	71	132	1,387
	Percent	13.8%	50.8%	20.8%	5.1%	9.5%	100.0%
75-84	Number	75	459	154	51	73	812
	Percent	9.2%	56.5%	19.0%	6.3%	9.0%	100.0%
85+	Number	9	87	34	11	61	202
	Percent	4.5%	43.1%	16.8%	5.4%	30.2%	100.0%
Unknown	Number	0	0	1	0	0	1
	Percent	---	---	100.0%	---	---	100.0%
Total	Number	743	2,755	1,380	285	480	5,643
	Percent	13.2%	48.8%	24.5%	5.1%	8.5%	100.0%

Table 70. Breast Cancer Cases by Stage and Race/Ethnicity, Nevada Residents, 1996-2000

Stage		Race/Ethnicity						Total
		White	Black	Native American	Asian	Hispanic	Other/Unknown	
In situ	Number	658	24	3	21	16	21	743
	Percent	13.1%	10.2%	14.3%	15.9%	9.7%	28.0%	13.2%
Localized	Number	2,467	98	9	67	75	39	2,755
	Percent	49.2%	41.7%	42.9%	50.8%	45.5%	52.0%	48.8%
Regional	Number	1,215	62	5	33	54	11	1,380
	Percent	24.2%	26.4%	23.8%	25.0%	32.7%	14.7%	24.5%
Distant	Number	245	25	2	3	8	2	285
	Percent	4.9%	10.6%	9.5%	2.3%	4.8%	2.7%	5.1%
Unstaged	Number	430	26	2	8	12	2	480
	Percent	8.6%	11.1%	9.5%	6.1%	7.3%	2.7%	8.5%
Total	Number	5,015	235	21	132	165	75	5,643
	Percent	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%

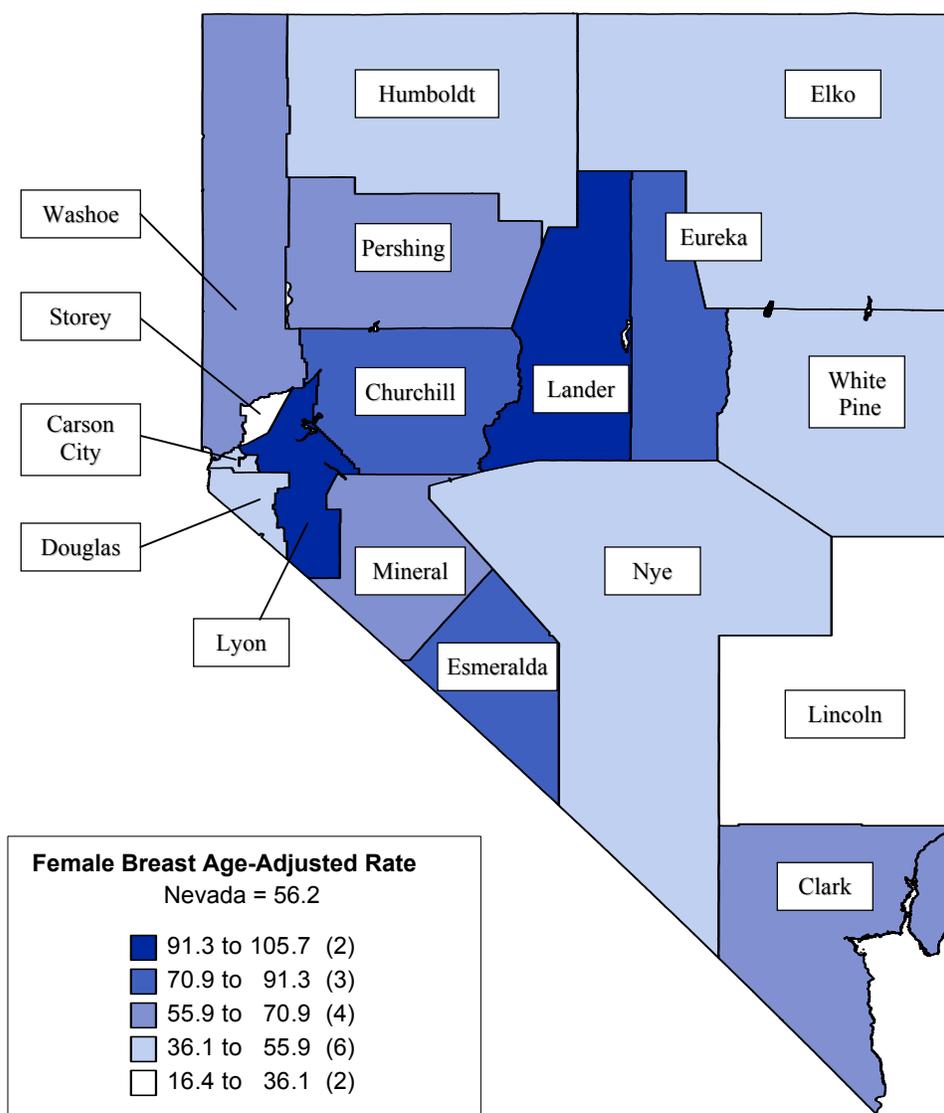
Table 71. Median Age at Diagnosis of Breast Cancer by Race/Ethnicity and Gender, Nevada Residents, 1996-2000

Race/Ethnicity	Gender					
	Male		Female		Total	
	Incidence	Median Age	Incidence	Median Age	Incidence	Median Age
White	51	67.0	4,961	62.0	5,012	62.0
Black	6	70.0	229	55.0	235	56.0
Native American	0	---	21	60.0	21	60.0
Asian	1	---	131	52.0	132	52.0
Hispanic	1	---	164	53.0	165	53.0
Other/Unknown	0	---	75	56.0	75	56.0
Total	59	66.0	5,581	61.0	5,640	61.0

Note: Those cases of other/unknown gender and/or unknown ages are not included in this table. The median age was not calculated for those numbers less than five.

INPATIENT HOSPITAL DISCHARGES

Figure 53. Female Breast Cancer Age-Adjusted (2000) Inpatient Discharge Rates, Nevada Residents, 1996-2000



Note: Rates are per 100,000 female population and age-adjusted to 2000 US Standard population. Caution should be used when interpreting rates based upon small numbers and comparing inpatient hospital discharge rates to other data sources, because it is occurrence based data. See Technical notes for more information.

Figure 54. Female Breast Cancer Age-Adjusted Inpatient Discharge Rates by County/Region of Residence, Nevada Residents, 1996-2000

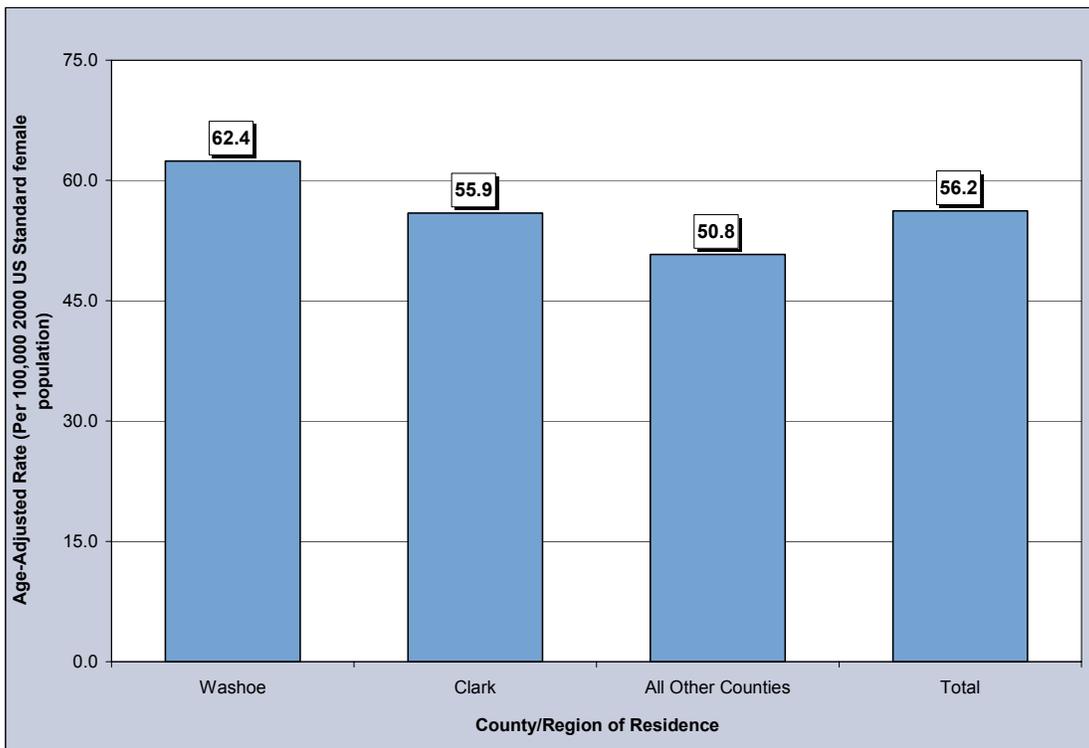


Figure 55. Median Charges for Breast Cancer Inpatient Discharges by County/Region of Residence, Nevada Residents, 1996-2000

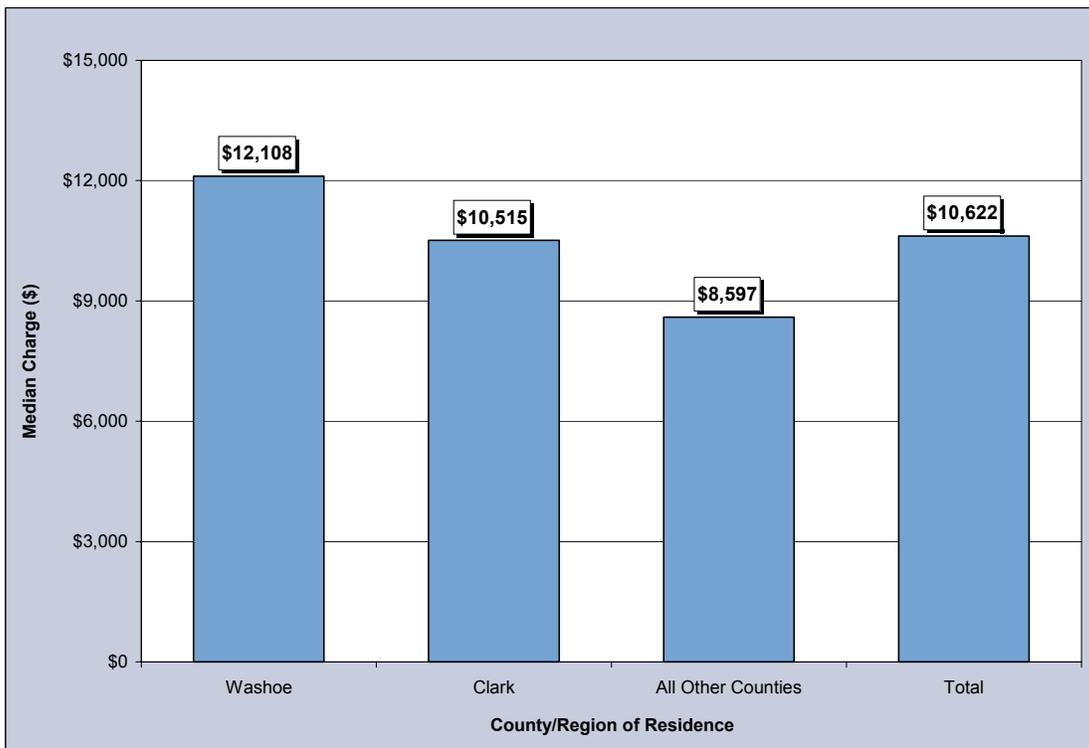


Figure 56. Average Length of Stay for Breast Cancer Inpatient Discharges by County/Region of Residence, Nevada Residents, 1996-2000

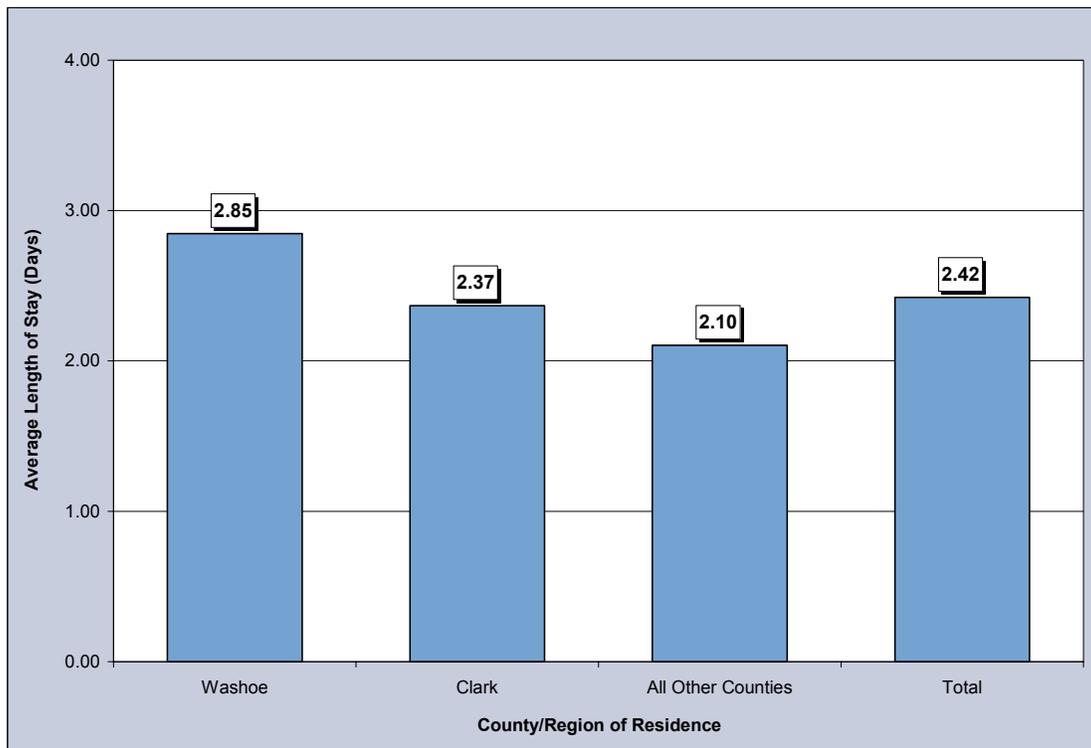


Table 72. Breast Cancer Inpatient Discharges by Gender, Charges, Length of Stay, and County/Region of Residence, Nevada Residents, 1996-2000

Category	County/Region of Residence				
	Nevada Total	Clark	Washoe	All Other Counties	Unknown
Total					
Discharges	2,542	1,679	493	368	2
Rate*	29.2	29.1	32.6	26.1	---
95% C.I.	(28.1-30.4)	(27.7-30.6)	(29.8-35.7)	(23.5-29.0)	---
Gender					
Male	18	11	4	3	0
Rate*	0.5	0.5	---	---	---
95% C.I.	(0.3-0.9)	(0.2-1.0)	---	---	---
Female	2,524	1,668	489	365	2
Rate*	56.2	55.9	62.4	50.8	---
95% C.I.	(54.0-58.5)	(53.2-58.7)	(57.0-68.3)	(45.7-56.3)	---
Other/Unknown	0	0	0	0	0
Inpatient Discharge Charges (\$)					
Total Charges	\$34,663,372	\$22,210,278	\$8,194,104	\$4,236,598	\$22,392
Average Charges	\$13,636	\$13,228	\$16,621	\$11,512	\$11,196
Median Charges	\$10,622	\$10,515	\$12,108	\$8,597	\$11,196
Discharge Length of Stay (LOS) (Days)					
Total LOS	6,155	3,975	1,403	774	---
Average LOS	2.4	2.4	2.8	2.1	---
Median LOS	1.0	1.0	2.0	1.0	---

* Rates are per 100,000 female population and are age-adjusted to the 2000 US Standard population.

Note: The “---” is used for rates calculated on numbers less than ten. Caution should be used when comparing inpatient hospital discharge data to other data sources, since it is occurrence-based data. Please see Technical Notes for more information.

Table 73. Female Breast Cancer Inpatient Discharges by Age Group and County/Region of Residence, Nevada Residents, 1996-2000

Category	County/Region of Residence				
	Nevada Total	Clark	Washoe	All Other Counties	Unknown
Total					
Cases	2,524	1,668	489	365	2
Rate*	55.2	53.9	60.6	54.2	---
95% C.I.	(53.0-57.3)	(51.3-56.5)	(55.2-66.0)	(48.7-59.8)	---
Age Group					
<1	0	0	0	0	0
Rate*	---	---	---	---	---
95% C.I.	---	---	---	---	---
1-4	0	0	0	0	0
Rate*	---	---	---	---	---
95% C.I.	---	---	---	---	---
5-14	0	0	0	0	0
Rate*	---	---	---	---	---
95% C.I.	---	---	---	---	---
15-24	1	0	0	1	0
Rate*	---	---	---	---	---
95% C.I.	---	---	---	---	---
25-34	56	38	11	7	0
Rate*	8.2	7.8	9.0	---	---
95% C.I.	(6.0-10.3)	(5.3-10.3)	(3.7-14.4)	---	---
35-44	290	192	62	36	0
Rate*	40.2	40.5	45.5	32.2	---
95% C.I.	(35.5-44.8)	(34.8-46.2)	(34.2-56.9)	(21.7-42.7)	---
45-54	511	348	94	69	0
Rate*	85.6	88.6	85.7	73.4	---
95% C.I.	(78.2-93.1)	(79.3-97.9)	(68.4-103.0)	(56.1-90.7)	---
55-64	578	393	113	70	2
Rate*	133.8	133.2	162.2	103.9	---
95% C.I.	(122.9-144.7)	(120.0-146.3)	(132.3-192.2)	(79.6-128.3)	---
65-74	615	394	121	100	0
Rate*	195.8	187.7	232.6	191.3	---
95% C.I.	(180.3-211.2)	(169.2-206.3)	(191.1-274.0)	(153.8-228.8)	---
75-84	387	248	71	68	0
Rate*	214.7	209.7	225.7	222.6	---
95% C.I.	(193.3-236.0)	(183.6-235.8)	(173.2-278.2)	(169.7-275.6)	---
85+	85	55	16	14	0
Rate*	177.9	187.5	159.8	166.0	---
95% C.I.	(140.1-215.7)	(138.0-237.1)	(81.5-238.0)	(79.0-253.0)	---
Unknown	1	0	1	0	0

* Rates are per 100,000 female age-specific population.

Note: The "----" is used for rates calculated on numbers less than ten. Caution should be used when comparing inpatient hospital discharge data to other data sources, since it is occurrence-based data. Please see Technical Notes for more information.

Table 74. Breast Cancer Inpatient Discharges by Age Group and Gender, Nevada Residents, 1996-2000

Age Group	Gender		
	Male	Female	Total
<1	0	0	0
Rate*	---	---	---
95% C.I.	---	---	---
1-4	0	0	0
Rate*	---	---	---
95% C.I.	---	---	---
5-14	0	0	0
Rate*	---	---	---
95% C.I.	---	---	---
15-24	0	1	1
Rate*	---	---	---
95% C.I.	---	---	---
25-34	1	56	57
Rate*	---	8.2	4.0
95% C.I.	---	(6.0-10.3)	(2.9-5.0)
35-44	1	290	291
Rate*	---	40.2	19.5
95% C.I.	---	(35.5-44.8)	(17.2-21.7)
45-54	1	511	512
Rate*	---	85.6	42.3
95% C.I.	---	(78.2-93.1)	(38.7-46.0)
55-64	4	578	582
Rate*	---	133.8	67.6
95% C.I.	---	(122.9-144.7)	(62.1-73.1)
65-74	3	615	618
Rate*	---	195.8	99.7
95% C.I.	---	(180.3-211.2)	(91.8-107.6)
75-84	7	387	394
Rate*	---	214.7	120.2
95% C.I.	---	(193.3-236.0)	(108.3-132.1)
85+	1	85	86
Rate*	---	177.9	122.1
95% C.I.	---	(140.1-215.7)	(96.3-147.9)
Unknown	0	1	1
Total	18	2,524	2,542
Rate*	0.4	55.2	27.3
95% C.I.	(0.2-0.6)	(53.0-57.3)	(26.3-28.4)

* Rates are per 100,000 female age-specific population.

Note: The "---" is used for rates calculated on numbers less than ten. Caution should be used when comparing inpatient hospital discharge data to other data sources, since it is occurrence-based data. Please see Technical Notes for more information.

Table 75. Female Breast Cancer Inpatient Discharges by County/Region of Residence, Nevada Residents, 1996-2000

County of Residence	1996-2000 Inpatient Hospital Admissions				
	Cases	Rate*		Age-Adjusted Rate**	
		Rate	95% C.I.	Rate	95% C.I.
Carson City	56	44.9	(33.1-56.7)	37.3	(28.1-49.0)
Churchill	41	69.7	(48.4-91.1)	70.9	(50.9-96.6)
Clark	1,668	53.9	(51.3-56.5)	55.9	(53.2-58.7)
Douglas	44	44.4	(31.3-57.5)	36.1	(26.1-50.2)
Elko	32	29.3	(19.1-39.4)	42.9	(28.8-62.8)
Esmeralda	2	---	---	---	---
Eureka	3	---	---	---	---
Humboldt	13	32.5	(14.8-50.1)	40.5	(21.1-71.8)
Lander	12	77.1	(33.5-120.7)	105.7	(53.2-192.5)
Lincoln	3	---	---	---	---
Lyon	82	102.8	(80.6-125.1)	91.4	(72.5-114.2)
Mineral	9	---	---	---	---
Nye	46	64.0	(45.5-82.5)	47.9	(34.7-66.1)
Pershing	8	---	---	---	---
Storey	2	---	---	---	---
Washoe	489	60.6	(55.2-66.0)	62.4	(57.0-68.3)
White Pine	12	55.4	(24.1-86.8)	44.0	(22.6-82.6)
Unknown	2	---	---	---	---
Total	2,524	55.2	(53.0-57.3)	56.2	(54.0-58.5)

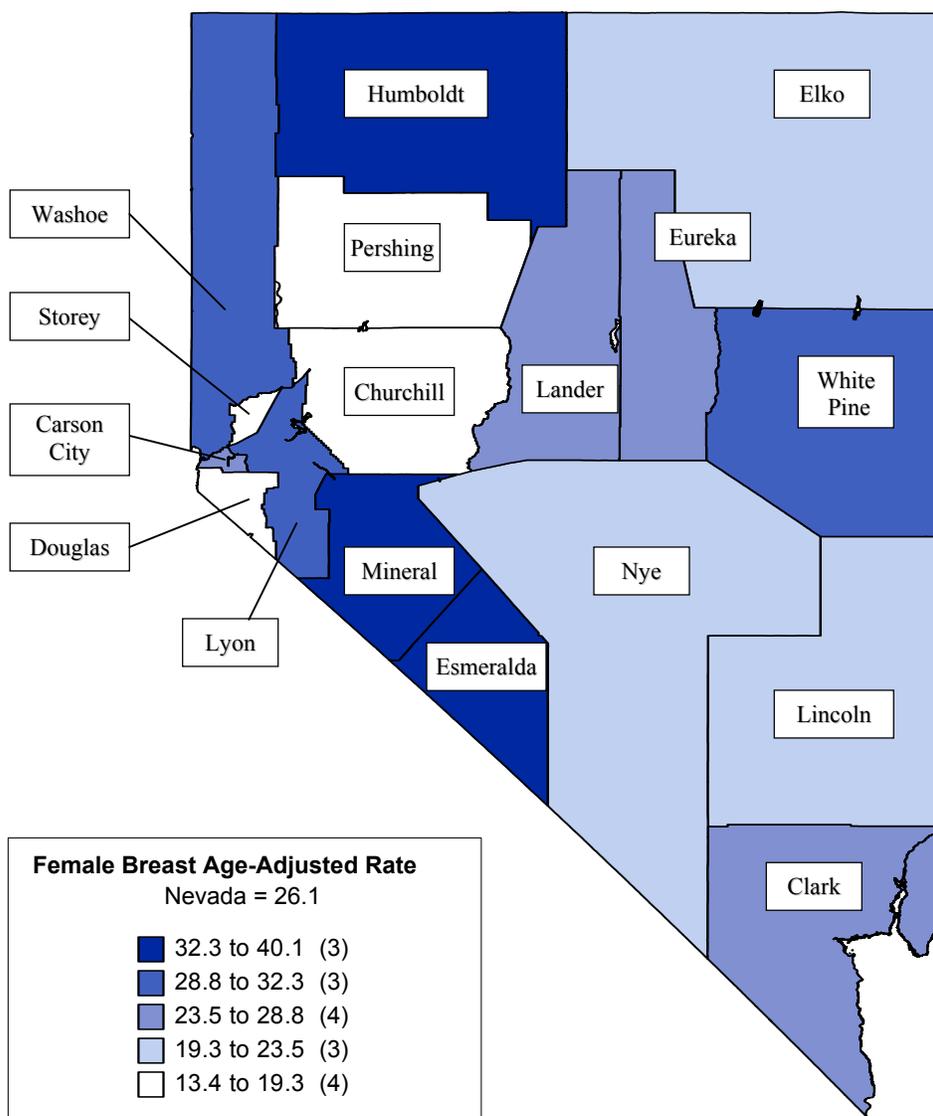
Note: The “---“ is used for rates calculated on numbers less than ten. *Rates are per 100,000 female population. **Rates are per 100,000 female population and are age-adjusted to the 2000 US Standard population.

Table 76. Breast Cancer Inpatient Discharges by Age Group, Charges and Length of Stay, Nevada Residents, 1996-2000

Age Group	Discharges	Charges (\$)			Length of Stay (Days)		
		Total	Average	Median	Total	Average	Median
<1	0	---	---	---	---	---	---
1-4	0	---	---	---	---	---	---
5-14	0	---	---	---	---	---	---
15-24	1	---	---	---	---	---	---
25-34	57	872,333	15,304	12,555	142	2.5	2.0
35-44	291	5,221,101	17,942	11,916	841	2.9	2.0
45-54	512	7,750,123	15,137	12,046	1,228	2.4	2.0
55-64	582	7,839,350	13,470	10,669	1,353	2.3	1.0
65-74	618	7,165,575	11,595	9,898	1,240	2.0	1.0
75-84	394	4,612,504	11,707	9,479	1,023	2.6	2.0
85+	86	1,079,458	12,552	9,977	307	3.6	2.0
Unknown	1	---	---	---	---	---	---
Total	2,542	34,663,372	13,636	10,622	6,155	2.4	1.0

MORTALITY

Figure 57. Female Breast Cancer Age-Adjusted (2000) Mortality Rates, Nevada Residents, 1996-2000



Note: Rates are per 100,000 female population and age-adjusted to 2000 US Standard population. Caution should be used when interpreting rates based upon small numbers. See Technical notes for more information.

Figure 58. Female Breast Cancer Age-Adjusted Mortality Rates by County/Region of Residence, Nevada Residents, 1996-2000

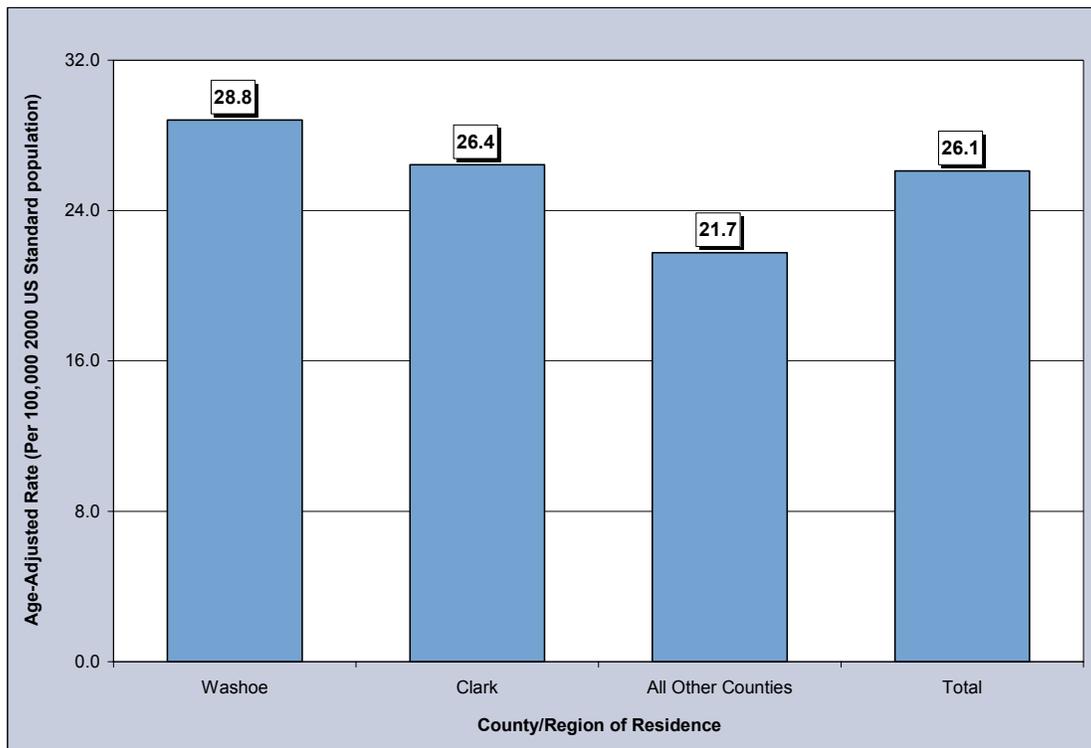


Figure 59. Female Breast Cancer Age-Adjusted Mortality Rates by Race/Ethnicity, Nevada Residents, 1996-2000

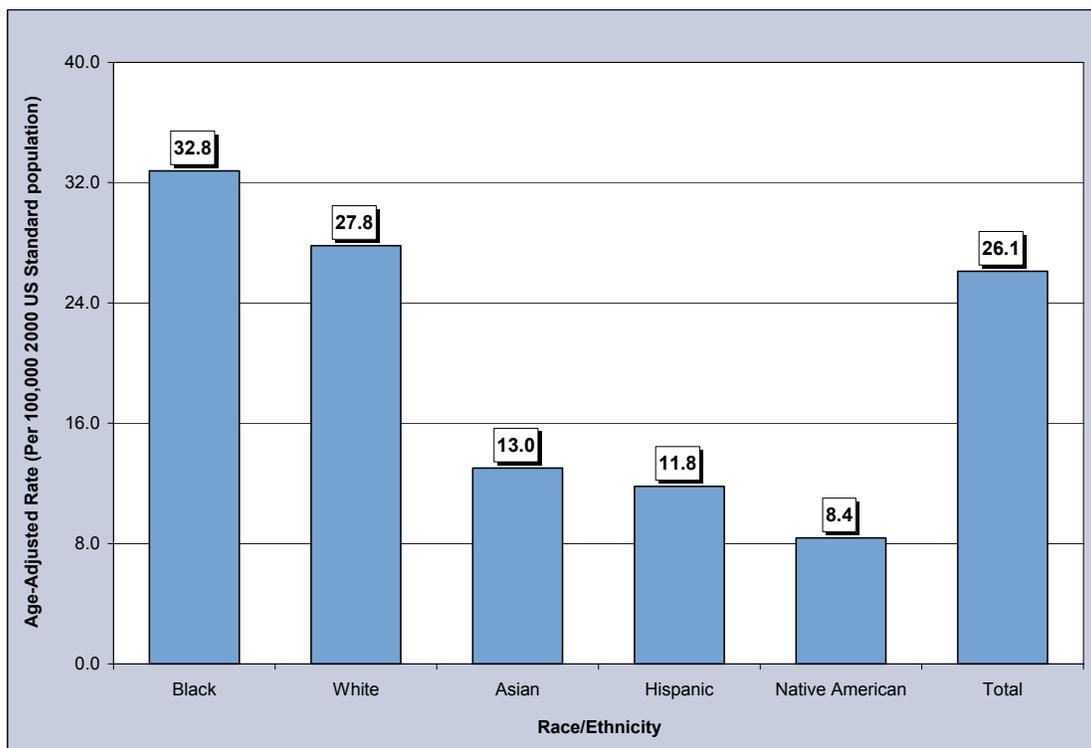


Table 77. Breast Cancer Mortality by Gender, Race/Ethnicity and County/Region of Residence, Nevada Residents, 1996-2000

Category	County/Region of Residence			
	Nevada Total	Clark	Washoe	All Other Counties
Total				
Cases	1,139	767	219	153
Rate*	14.1	14.3	15.8	11.6
95% C.I.	(13.3-15.0)	(13.3-15.4)	(13.7-18.1)	(9.8-13.7)
Gender				
Male	11	8	1	2
Rate*	0.3	---	---	---
95% C.I.	(0.1-0.6)	---	---	---
Female	1,128	759	218	151
Rate*	26.1	26.4	28.8	21.7
95% C.I.	(24.6-27.7)	(24.6-28.4)	(25.1-32.9)	(18.4-25.6)
Other/Unknown	0	0	0	0
Race/Ethnicity				
White	987	632	206	149
Rate*	27.8	27.9	31.1	23.7
95% C.I.	(26.1-29.6)	(25.8-30.2)	(27.0-35.7)	(20.0-28.0)
Black	69	65	3	1
Rate*	32.8	33.5	---	---
95% C.I.	(25.2-42.4)	(25.5-43.8)	---	---
Native American	5	3	1	1
Rate*	---	---	---	---
95% C.I.	---	---	---	---
Asian	26	24	2	0
Rate*	13.0	14.7	---	---
95% C.I.	(7.0-25.7)	(7.6-30.3)	---	---
Hispanic	41	35	6	0
Rate*	11.8	13.3	---	---
95% C.I.	(8.1-17.3)	(8.8-20.3)	---	---
Other/Unknown	0	0	0	0

* Rates are per 100,000 population and age-adjusted to the 2000 US Standard population. Rates for race/ethnicity groups are per 100,000 female population and age-adjusted to the 2000 US Standard population.

Note: The "----" is used for rates calculated on numbers less than ten.

Table 78. Female Breast Cancer Mortality by Age Group and County/Region of Residence, Nevada Residents, 1996-2000

Category	County/Region of Residence			
	Nevada Total	Clark	Washoe	All Other Counties
Total				
Cases	1,128	759	218	151
Rate*	24.7	24.5	27.0	22.4
95% C.I.	(23.2-26.1)	(22.8-26.3)	(23.4-30.6)	(18.9-26.0)
Age Group				
<1	0	0	0	0
Rate*	---	---	---	---
95% C.I.	---	---	---	---
1-4	0	0	0	0
Rate*	---	---	---	---
95% C.I.	---	---	---	---
5-14	0	0	0	0
Rate*	---	---	---	---
95% C.I.	---	---	---	---
15-24	2	1	0	1
Rate*	---	---	---	---
95% C.I.	---	---	---	---
25-34	8	7	0	1
Rate*	---	---	---	---
95% C.I.	---	---	---	---
35-44	89	57	22	10
Rate*	12.3	12.0	16.2	8.9
95% C.I.	(9.8-14.9)	(8.9-15.1)	(9.4-22.9)	(3.4-14.5)
45-54	173	106	36	31
Rate*	29.0	27.0	32.8	33.0
95% C.I.	(24.7-33.3)	(21.8-32.1)	(22.1-43.6)	(21.4-44.6)
55-64	236	162	41	33
Rate*	54.6	54.9	58.9	49.0
95% C.I.	(47.6-61.6)	(46.4-63.3)	(40.8-76.9)	(32.3-65.7)
65-74	276	209	42	25
Rate*	87.8	99.6	80.7	47.8
95% C.I.	(77.5-98.2)	(86.1-113.1)	(56.3-105.1)	(29.1-66.6)
75-84	230	149	51	30
Rate*	127.6	126.0	162.1	98.2
95% C.I.	(111.1-144.1)	(105.7-146.2)	(117.6-206.6)	(63.1-133.4)
85+	114	68	26	20
Rate*	238.6	231.9	259.6	237.2
95% C.I.	(194.8-282.4)	(176.7-287.0)	(159.8-359.4)	(133.2-341.1)
Unknown	0	0	0	0

* Rates are per 100,000 female age-specific population.
 Note: The "----" is used for rates calculated on numbers less than ten.

Table 79. Female Breast Cancer Mortality by County of Residence, Nevada Residents, 1996-2000

County of Residence	1996-2000 Mortality				
	Deaths	Rate*		Age-Adjusted Rate**	
		Rate	95% C.I.	Rate	95% C.I.
Carson City	35	28.1	(18.8-37.4)	23.5	(16.3-33.2)
Churchill	8	---	---	---	---
Clark	759	24.5	(22.8-26.3)	26.4	(24.6-28.4)
Douglas	16	16.2	(8.2-24.1)	13.4	(7.7-23.6)
Elko	14	12.8	(6.1-19.5)	19.3	(10.1-34.7)
Esmeralda	1	---	---	---	---
Eureka	1	---	---	---	---
Humboldt	11	27.5	(11.2-43.7)	32.7	(16.1-61.0)
Lander	3	---	---	---	---
Lincoln	2	---	---	---	---
Lyon	25	31.3	(19.1-43.6)	28.8	(18.5-43.3)
Mineral	5	---	---	---	---
Nye	19	26.4	(14.6-38.3)	20.1	(11.7-34.1)
Pershing	2	---	---	---	---
Storey	1	---	---	---	---
Washoe	218	27.0	(23.4-30.6)	28.8	(25.1-32.9)
White Pine	8	---	---	---	---
Unknown	0	---	---	---	---
Total	1,128	24.7	(23.2-26.1)	26.1	(24.6-27.7)

Note: The “---“ is used for rates calculated on numbers less than ten. *Rates are per 100,000 female population. **Rates are per 100,000 female population and are age-adjusted to the 2000 US Standard population.

Table 80. Breast Cancer Mortality by Race/Ethnicity and Gender, Nevada Residents, 1996-2000

Race/Ethnicity	Gender			
	Male	Female	Total	
White	Mortality	9	987	996
	Rate*	---	27.8	14.9
	95% C.I.	---	(26.1-29.6)	(14.0-15.9)
Black	Mortality	1	69	70
	Rate*	---	32.8	18.3
	95% C.I.	---	(25.2-42.4)	(13.9-24.0)
Native American	Mortality	1	5	6
	Rate*	---	---	---
	95% C.I.	---	---	---
Asian	Mortality	0	26	26
	Rate*	---	13.0	7.4
	95% C.I.	---	(7.0-25.7)	(4.1-14.5)
Hispanic	Mortality	0	41	41
	Rate*	---	11.8	6.2
	95% C.I.	---	(8.1-17.3)	(4.2-9.4)
Other/Unknown	Mortality	0	0	0
Total	Mortality	11	1,128	1,139
	Rate*	0.3	26.1	14.1
	95% C.I.	(0.1-0.6)	(24.6-27.7)	(13.3-15.0)

Note: The “---“ is used for rates calculated on numbers less than ten. *Rates are per 100,000 population and are age-adjusted to the 2000 US Standard population.

Table 81. Breast Cancer Mortality by Age Group and Gender, Nevada Residents, 1996-2000

Age Group	Gender		
	Male	Female	Total
<1	0	0	0
Rate*	---	---	---
95% C.I.	---	---	---
1-4	0	0	0
Rate*	---	---	---
95% C.I.	---	---	---
5-14	0	0	0
Rate*	---	---	---
95% C.I.	---	---	---
15-24	0	2	2
Rate*	---	---	---
95% C.I.	---	---	---
25-34	0	8	8
Rate*	---	---	---
95% C.I.	---	---	---
35-44	1	89	90
Rate*	---	12.3	6.0
95% C.I.	---	(9.8-14.9)	(4.8-7.3)
45-54	1	173	174
Rate*	---	29.0	14.4
95% C.I.	---	(24.7-33.3)	(12.3-16.5)
55-64	5	236	241
Rate*	---	54.6	28.0
95% C.I.	---	(47.6-61.6)	(24.5-31.5)
65-74	1	276	277
Rate*	---	87.8	44.7
95% C.I.	---	(77.5-98.2)	(39.4-49.9)
75-84	3	230	233
Rate*	---	127.6	71.1
95% C.I.	---	(111.1-144.1)	(62.0-80.2)
85+	0	114	114
Rate*	---	238.6	161.8
95% C.I.	---	(194.8-282.4)	(132.1-191.5)
Unknown	0	0	0
Total	11	1,128	1,139
Rate*	0.2	24.7	12.2
95% C.I.	(0.1-0.4)	(23.2-26.1)	(11.5-13.0)

Note: The "----" is used for rates calculated on numbers less than ten.

* Rates are per 100,000 age-specific population.

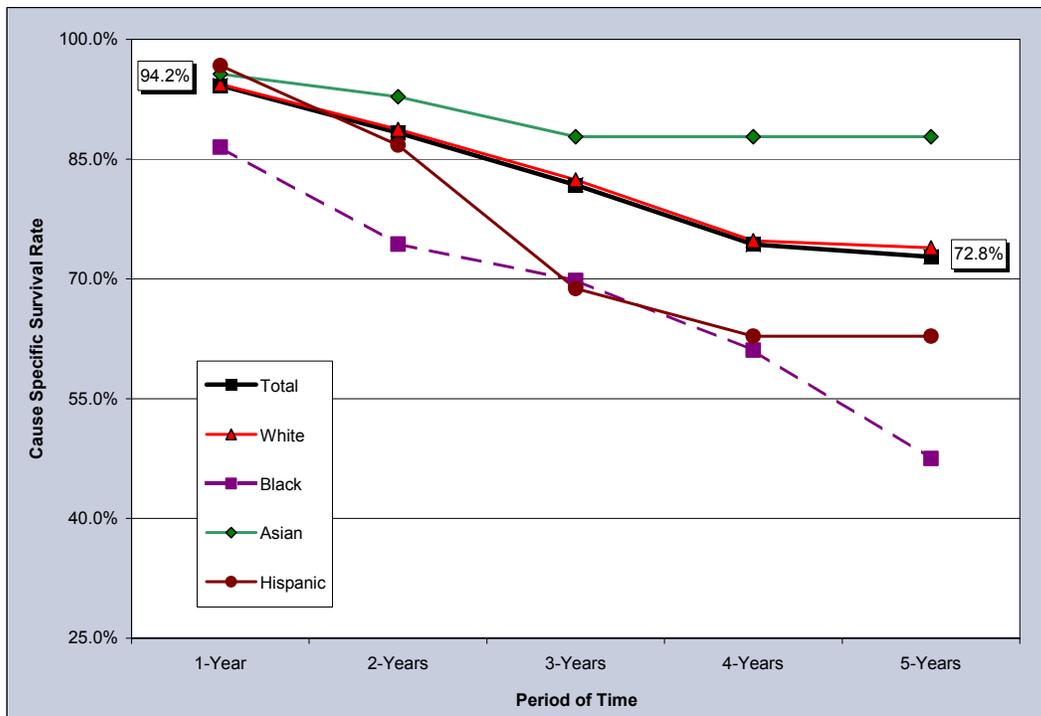
Table 82. Median Age at Death from Breast Cancer by Race/Ethnicity and Gender, Nevada Residents, 1996-2000

Race/Ethnicity	Gender					
	Male		Female		Total	
	Deaths	Median Age	Deaths	Median Age	Deaths	Median Age
White	9	64.0	987	68.0	996	68.0
Black	1	---	69	63.0	70	62.5
Native American	1	---	5	57.0	6	58.0
Asian	0	---	26	54.5	26	54.5
Hispanic	0	---	41	59.0	41	59.0
Other/Unknown	0	---	0	---	0	---
Total	11	61.0	1,128	67.0	1,139	67.0

Note: Those cases of other/unknown gender and/or unknown ages are not included in this table. The median age was not calculated for those numbers less than five.

SURVIVAL RATE

Figure 60. Survival Rates for Breast Cancer by Race/Ethnicity, Nevada Residents, 1996-2000



Notes: The survival rate for those racial/ethnic groups not included in this chart could not be calculated due to small cell size.

Figure 61. Survival Rates for Breast Cancer by Stage of Cancer at Diagnosis, Nevada Residents, 1996-2000

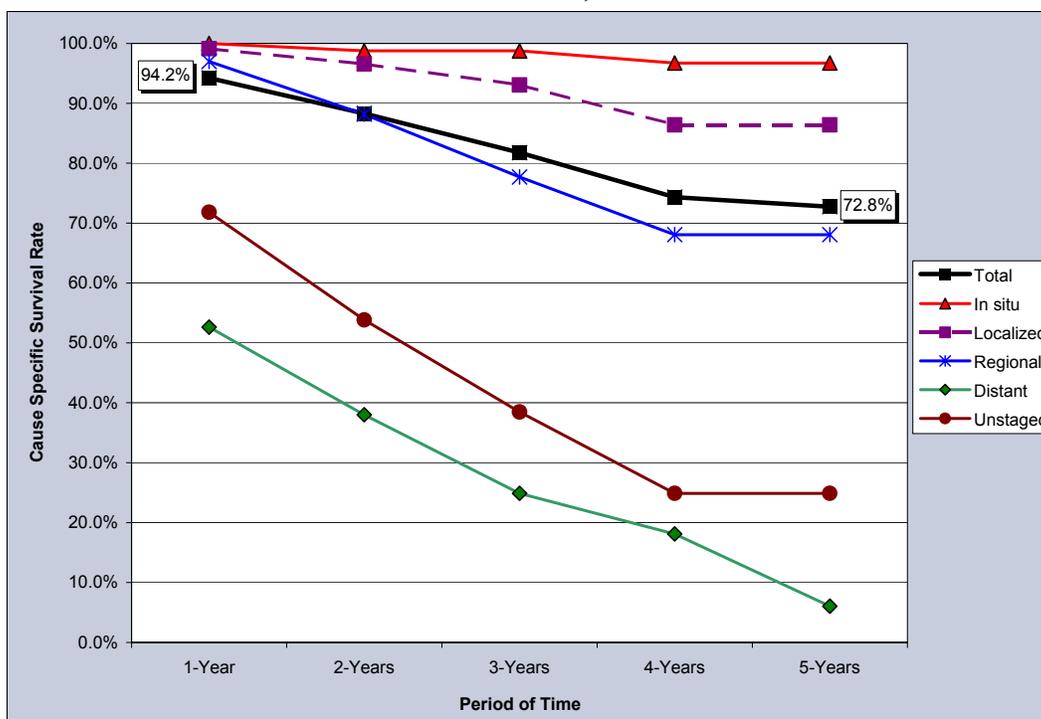


Table 83. Cause-Specific Survival Rates for Breast Cancer by Race/Ethnicity and Gender, Nevada Residents, 1996-2000

Race/ Ethnicity and Gender	Number of Cases	Cause Specific Survival Rate					Median Survival Time (years)
		One Year	Two Years	Three Years	Four Years	Five Years	
Total	3,910	94.2%	88.3%	81.8%	74.3%	72.8%	>5 years
Male	41	---	---	---	---	---	---
Female	3,868	94.2%	88.4%	81.8%	74.3%	72.8%	>5 years
Race/Ethnicity							
White	3,462	94.4%	88.7%	82.4%	74.8%	73.9%	>5 years
Male	38	---	---	---	---	---	---
Female	3,423	94.4%	88.9%	82.5%	74.8%	73.9%	>5 years
Black	170	86.5%	74.4%	69.8%	61.1%	47.5%	4.82
Male	2	---	---	---	---	---	---
Female	168	86.4%	74.3%	69.7%	61.0%	47.4%	4.81
Native American	11	---	---	---	---	---	---
Male	0	---	---	---	---	---	---
Female	11	---	---	---	---	---	---
Asian	96	95.7%	92.8%	87.8%	87.8%	87.8%	>5 years
Male	1	---	---	---	---	---	---
Female	95	95.7%	92.8%	87.8%	87.8%	87.8%	>5 years
Hispanic	124	96.7%	86.8%	68.8%	62.8%	62.8%	>5 years
Male	0	---	---	---	---	---	---
Female	124	96.7%	86.8%	68.8%	62.8%	62.8%	>5 years

Notes: 1) The “---” indicates that survival rate could not be calculated due to small cell size. Caution should be used when interpreting survival rates based upon categories with a small number of cases. 2) Those cases where the gender and/or race/ethnicity were other/unknown, are not shown separately, but are included in the category totals. 3) These rates may not be directly comparable to National rates because of different methodologies. Caution should be used when trying to compare rates for Nevada and the Nation. For more information on the calculation of survival rates, please refer to Technical Notes section.

Table 84. Cause-Specific Survival Rates for Breast Cancer by Stage of Cancer at Diagnosis and Gender, Nevada Residents, 1996-2000

Survival Rate of Stage at Diagnosis		Gender		
		Total	Male	Female
Total	Cases	3,910	41	3,868
	One Year	94.2%	96.4%	94.2%
	5 Years	72.8%	71.3%	72.8%
	Median Survival	>5 years	>5 years	>5 years
Stage at Diagnosis				
In situ	Cases	581	4	577
	One Year	100.0%	100.0%	100.0%
	5 Years	96.7%	0.0%	96.7%
	Median Survival	>5 years	0.00	>5 years
Localized	Cases	1,962	24	1,937
	One Year	99.1%	100.0%	99.1%
	5 Years	86.4%	0.0%	86.4%
	Median Survival	>5 years	0.00	>5 years
Regional	Cases	964	7	957
	One Year	97.0%	80.0%	97.1%
	5 Years	68.1%	0.0%	68.1%
	Median Survival	>5 years	0.00	>5 years
Distant	Cases	208	2	206
	One Year	52.6%	100.0%	52.4%
	5 Years	6.0%	0.0%	6.0%
	Median Survival	1.18	0.00	1.16
Unstaged	Cases	195	4	191
	One Year	71.8%	100.0%	71.0%
	5 Years	24.9%	50.0%	21.6%
	Median Survival	2.25	2.00	2.28

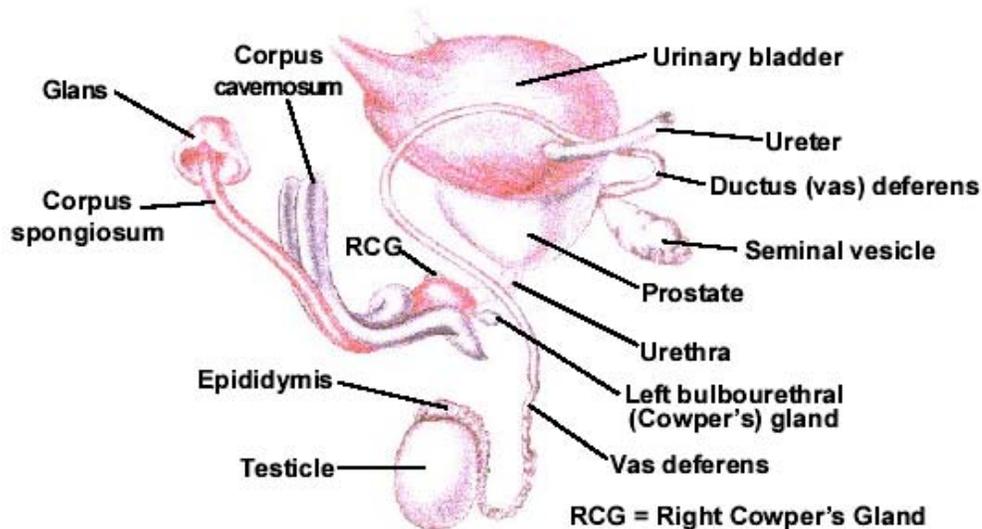
Notes: 1) The "---" indicates that survival rate could not be calculated due to small cell size. Caution should be used when interpreting survival rates based upon categories with a small number of cases. 2) These rates may not be directly comparable to National rates because of different methodologies. Caution should be used when trying to compare rates for Nevada and the Nation. For more information on the calculation of survival rates, please refer to Technical Notes section.

PROSTATE CANCER

PROSTATE CANCER

GENERAL PROFILE⁴

Figure 62. Anatomy of the Male Urogenital System⁵



General Anatomy: The prostate is a gland in a man's reproductive system. It makes and stores seminal fluid, a milky fluid that nourishes sperm. This fluid is released to form part of semen. The prostate is about the size of a walnut. It is located below the bladder and in front of the rectum. It surrounds the upper part of the urethra, the tube that empties urine from the bladder. If the prostate grows too large, the flow of urine can be slowed or stopped. To work properly, the prostate needs male hormones (androgens), which are responsible for male sex characteristics. The main male hormone is testosterone, which is made mainly by the testicles. Some male hormones are produced in small amounts by the adrenal glands.

Risk Factors: Age, family history of Prostate Cancer, race, and diet and dietary factors are all important risk factors in being diagnosed with Prostate Cancer.

Signs and Symptoms: A need to urinate frequently, especially at night, difficulty starting urination or holding back urine, inability to urinate, weak or interrupted flow of urine, painful or burning urination, difficulty in having an erection, painful ejaculation, blood in urine or semen, or frequent pain or stiffness in the lower back, hips, or upper thighs.

Diagnosing the Cancer: Digital rectal exam, blood test for prostate-specific antigen (PSA test), transrectal ultrasonography, intravenous pyelogram, and cystoscopy.

Treatment: Treatment options include: watchful waiting, surgery (Prostatectomy, Orchiectomy), radiation therapy, and hormonal therapy.

HIGHLIGHTS

- The ratio of the age-adjusted incidence rate, 114.2, to the age-adjusted mortality rate, 29.2 (per 100,000 – 2000 US Standard male population) for Prostate Cancer, was 3.91 during the 1996 to 2000 period, which means that for every 3.91 cancer cases there was one death due to Prostate Cancer in Nevada during this period.
- The median age at diagnosis of Prostate Cancer was 68 years of age for Nevada residents from 1996 to 2000. The median age at time of death due to Prostate Cancer was 76 years. Black males had the lowest median age at time of diagnosis of Prostate Cancer (65 years) and the largest difference (10 years) between the median age at diagnosis and median age at time of death (75 years) during this period.
- Asian males had the highest median age at diagnosis of Prostate Cancer (71 years) and the smallest difference (3 years) between the median age at diagnosis and median age at time of death (74 years) during the 1996 to 2000 period.

CANCER SCREENING

- Of the 815 men in Nevada who were surveyed in 2001, 82.1% responded yes to ever having a Prostate-Specific Antigen (PSA) test and/or a digital rectal exam to try and detect early signs of Prostate Cancer.
- The percentage of men who stated their education level as high school had the lowest percentage (77.1%) of those ever having a PSA test and/or a digital rectal exam, while those who stated their education level as a college graduate had the highest percentage (90.3%) when the questions were asked in 2001.
- Those men whose income was either less than \$15,000 or \$50,000 or more a year had the highest percentage of respondents who stated that they had ever received a PSA test or a digital rectal exam with percentages of 80.8% and 84.8%, respectively.

INCIDENCE

- Nevada's Prostate Cancer age-adjusted incidence rate, 114.2 (110.6-117.8), showed statistically significance in being lower than the 1995-1999 National rate of 165.5 (164.6-166.5) (per 100,000 – 2000 US Standard male population) during this period.
- There were 4,572 resident Prostate Cancer cases reported in Nevada from 1996 to 2000. Statistical significance tests show that Washoe County had the highest age-adjusted incidence rate of cancer once regional comparisons were made, with a rate of 144.8 (135.4-154.9). The All Other Counties region and Clark County followed with rates of 122.7 (114.1-132.0) and 104.3 (100.1-108.7) (per 100,000 population – 2000 US Standard population), respectively.

- Racial/ethnic comparisons showed that Blacks and Whites, as racial/ethnic groups, had the highest statistically significant age-adjusted incidence rates for Prostate Cancer with rates of 63.8 (55.9-73.0) and 56.1 (54.4-57.9), respectively, of all racial/ethnic groups. Asians, Hispanics and Native Americans, followed with rates of 25.3 (17.6-36.5), 22.5 (18.5-27.6) and 17.5 (9.2-31.4), respectively from 1996 to 2000.

INPATIENT HOSPITAL DISCHARGES

- There were 2,450 hospital inpatient discharges for Prostate Cancer to Nevada Residents from 1996 to 2000, with an age-adjusted inpatient discharge rate of 57.3 (per 100,000 – 2000 US Standard male population). The All Other Counties region had the highest cancer age-adjusted inpatient discharge rate, 59.9, once regional comparisons were made, and was followed by Clark County and Washoe County with rates of 57.6 and 53.3, respectively.
- Total billed charges for hospital inpatient discharges due Prostate Cancer in Nevada totaled nearly 50 million dollars from 1996 to 2000. Nevadans in the 55-74 year age group accounted for 76.1% of the total number of inpatient discharges and 80.8% of the total billed charges.
- Washoe County had a considerably higher median total billed charge for Prostate Cancer inpatient discharges (\$22,276) than Clark County (\$17,094) and All Other Counties (\$13,568) from 1996 to 2000.
- The overall average billed charge per day for a hospital inpatient discharge due to Prostate Cancer was just over \$5,400 in Nevada from 1996 to 2000.

MORTALITY

- There were 883 resident deaths due to Prostate Cancer in Nevada from 1996 to 2000. While Washoe County had the highest age-adjusted mortality rate from Prostate Cancer, 33.4, statistical analysis does not show statistical significance over the rates for Nevada overall, Clark County or All Other Counties, who had rates of 29.2, 28.2 and 28.2, respectively.
- Racial/ethnic comparisons showed that Blacks and Whites, as racial/ethnic groups, had the highest cancer age-adjusted mortality rates of 17.5 and 12.6, respectively, of all racial/ethnic groups. They were followed by Asians and Hispanics who had age-adjusted mortality rates of 5.8 and 5.6 (per 100,000 – 2000 US Standard male population), respectively, from 1996 to 2000.

SURVIVAL RATE

- The one-year survival rate for Prostate Cancer in Nevada was 94.4% during the 1996 to 2000 period, while the five-year survival rate was 67.1% during this same time. The median survival rate for Prostate Cancer in Nevada was greater than five years.

- The one-year survival rate for those diagnosed with Prostate Cancer at the localized stage was 99.4%, while those diagnosed at the regional, distant and unstaged stages had rates of 98.0%, 71.1% and 76.3%, respectively.
- The five-year survival rate for those diagnosed with Prostate Cancer at the localized stage was 82.9%, while those recorded at the regional, distant and unstaged stages had rates of 80.2%, 8.3% and 33.3%, respectively.
- Those diagnosed with Prostate Cancer at the distant stage had a significantly lower median survival rate than those at all other stages with a rate of 1.76 years compared to over five years for the localized and regional stages.

SCREENING (BRFSS)**Table 85. Prostate Cancer Screening by County/Region of Residence, Education, Age Group, and Income, Nevada Residents, 2001 (Revised)**

Responses	Answers						Total
	Yes			No			
	Number	Percent*	95% C.I.	Number	Percent*	95% C.I.	
Total							
Responses	686	82.1%	(79.5%-84.7%)	129	17.9%	(15.3%-20.5%)	815
County/Region of Residence							
Clark County	216	79.7%	(74.9%-84.5%)	55	20.3%	(15.5%-25.1%)	271
Washoe County	213	85.7%	(81.4%-90.0%)	37	14.3%	(10.0%-18.6%)	250
All Other Counties	257	88.5%	(84.9%-92.1%)	37	11.5%	(7.9%-15.1%)	294
Education							
Less than High School	39	77.1%	(65.2%-89.0%)	9	22.9%	(11.0%-34.8%)	48
High School	173	69.2%	(63.2%-75.2%)	54	30.8%	(24.8%-36.8%)	227
Some Post High School	216	83.3%	(78.7%-87.9%)	38	16.7%	(12.1%-21.3%)	254
College Graduate	256	90.3%	(86.9%-93.7%)	37	9.7%	(6.3%-13.1%)	293
Age Group							
18-24 years old	0	---	---	0	---	---	0
25-34 years old	0	---	---	0	---	---	0
35-44 years old	103	61.3%	(53.4%-69.2%)	44	38.7%	(30.8%-46.6%)	147
45-54 years old	202	78.0%	(72.9%-83.1%)	54	22.0%	(16.9%-27.1%)	256
55-64 years old	175	90.8%	(86.8%-94.8%)	21	9.2%	(5.2%-13.2%)	196
65+ years old	206	94.0%	(90.8%-97.2%)	10	6.0%	(2.8%-9.2%)	216
Income							
Less than \$15,000	47	80.8%	(70.9%-90.7%)	14	19.2%	(9.3%-29.1%)	61
\$15,000 - \$24,999	40	74.0%	(62.0%-86.0%)	11	26.0%	(14.0%-38.0%)	51
\$25,000 - \$34,999	64	72.5%	(62.9%-82.1%)	19	27.5%	(17.9%-37.1%)	83
\$35,000 - \$49,999	120	74.8%	(67.8%-81.8%)	26	25.2%	(18.2%-32.2%)	146
\$50,000 or More	313	84.8%	(81.1%-88.5%)	41	15.2%	(11.5%-18.9%)	354

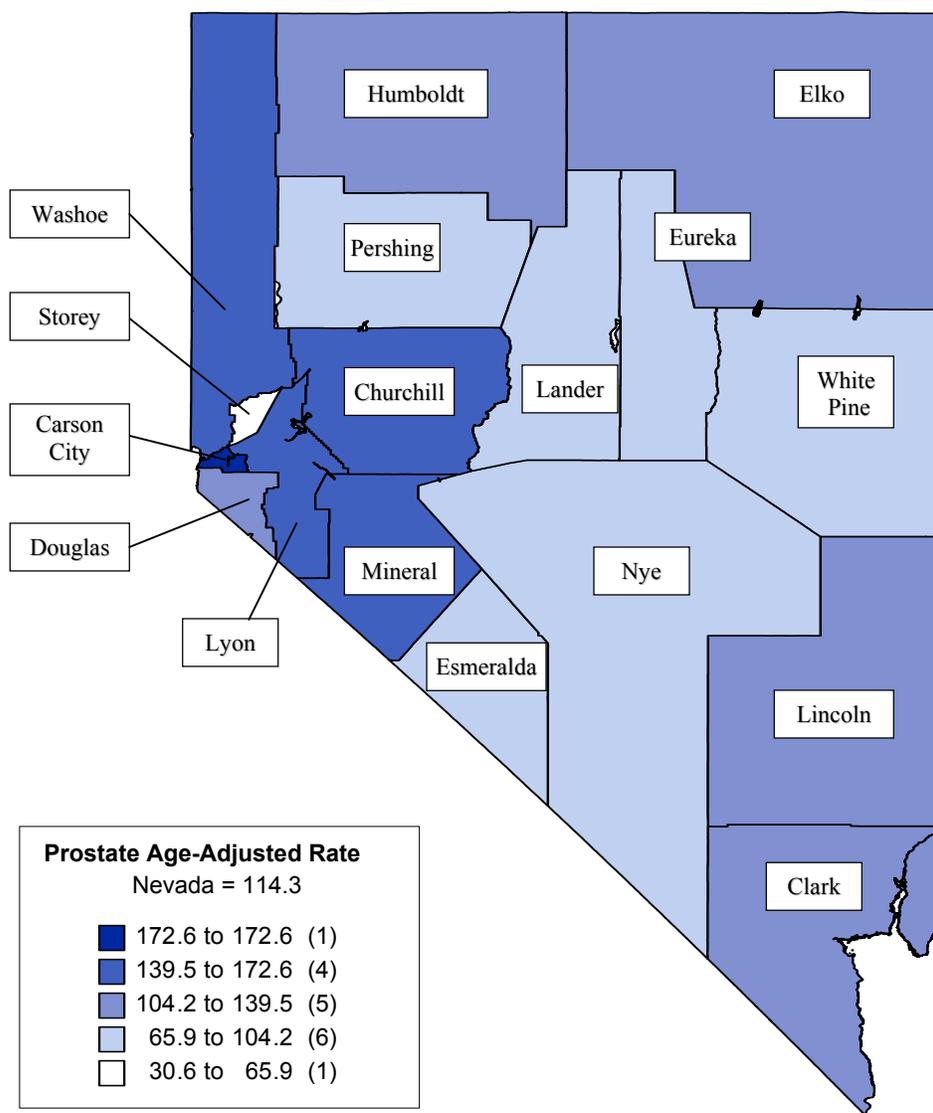
*Denominator is persons age 18-64 and excludes missing, don't know, and refused responses.

Note: This table includes those respondents who answered "Yes" or "No" to either of the following questions:

- 1) A Prostate-Specific Antigen test, also called a PSA test, is a blood test used to check men for prostate cancer. Have you ever had a PSA test?
- 2) A digital rectal exam is an exam in which a doctor, nurse, or other health professional places a gloved finger into the rectum to feel the size, and hardness of the prostate gland. Have you ever had a digital rectal exam?

INCIDENCE

Figure 63. Prostate Cancer Age-Adjusted (2000) Incidence Rates, Nevada Residents, 1996-2000



Note: Rates are per 100,000 male population and age-adjusted to 2000 US Standard population. Caution should be used when interpreting rates based upon small numbers. See Technical notes for more information.

Figure 64. Prostate Cancer Age-Adjusted Incidence Rates by County/Region of Residence, Nevada Residents, 1996-2000

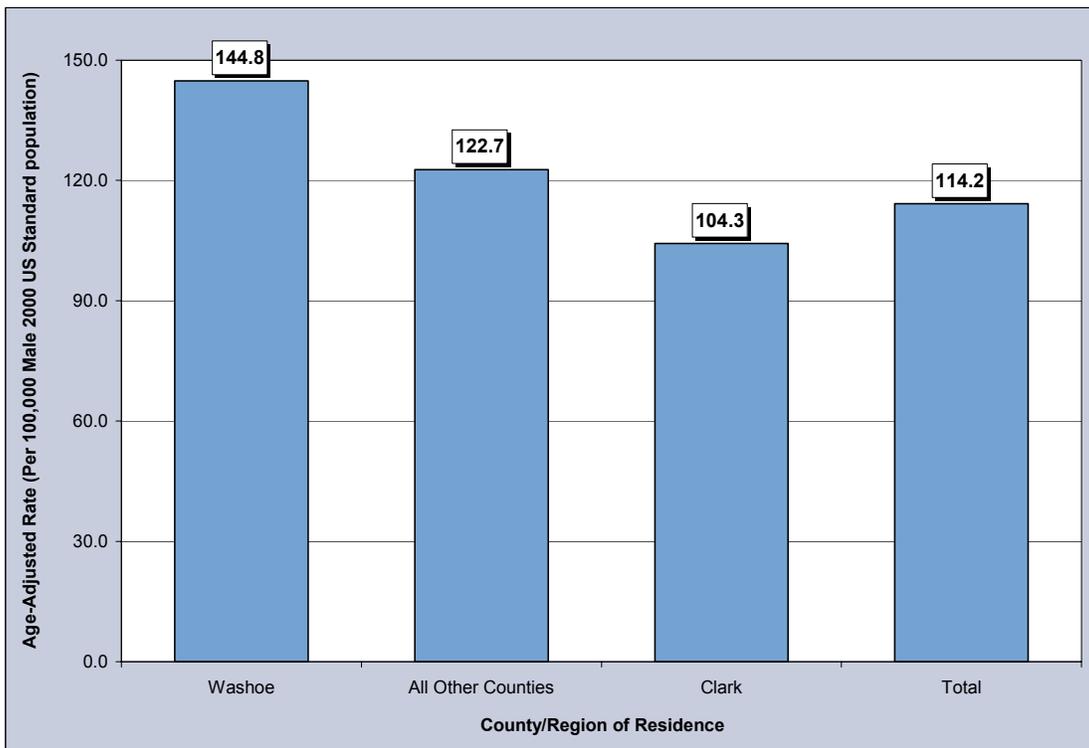


Figure 65. Prostate Cancer Age-Adjusted Incidence Rates by Race/Ethnicity, Nevada Residents, 1996-2000

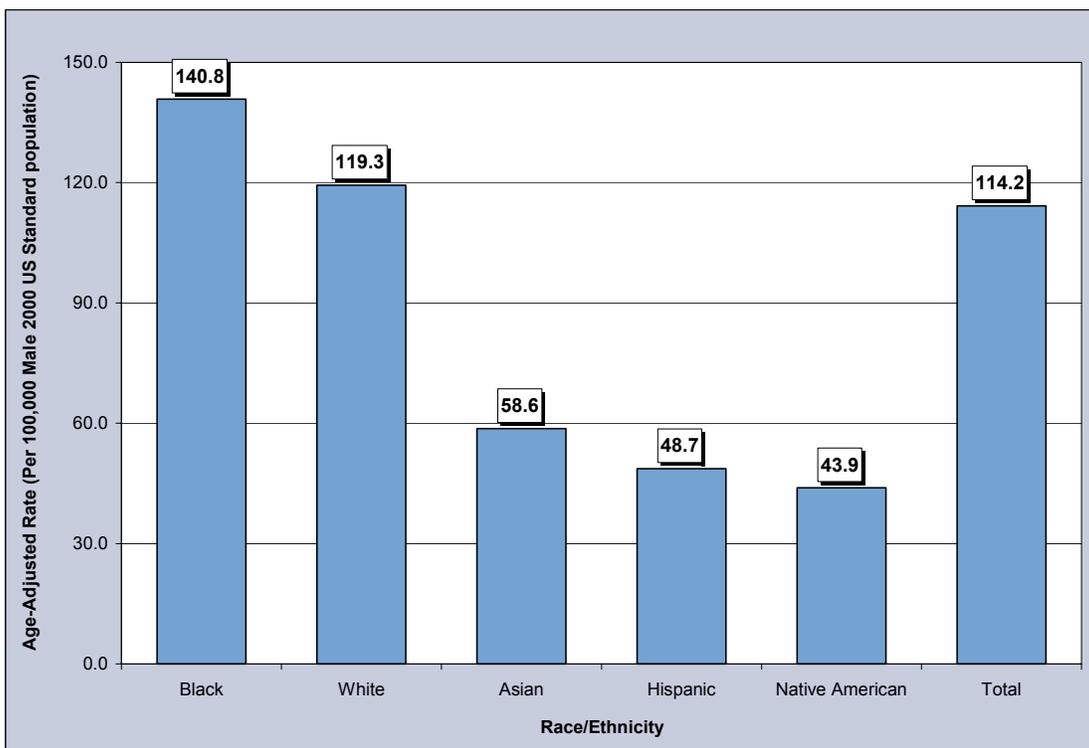


Table 86. Prostate Cancer Cases by Gender, Race/Ethnicity and County/Region of Residence at Diagnosis, Nevada Residents (1996-2000) and SEER-11 (1995-1999)

Category	County/Region of Residence					SEER 11 (1995-1999)
	Nevada Total	Clark	Washoe	All Other Counties	Unknown	
Total						
Cases	4,572	2,771	969	830	2	119,272
Rate*	53.1	48.3	66.7	58.3	---	71.6
95% C.I.	(51.5-54.7)	(46.5-50.2)	(62.5-71.1)	(54.4-62.6)	---	(71.2-72.0)
Gender						
Male	4,572	2,771	969	830	2	119,272
Rate*	114.2	104.3	144.8	122.7	---	165.5
95% C.I.	(110.6-117.8)	(100.1-108.7)	(135.4-154.9)	(114.1-132.0)	---	(164.6-166.5)
Female	0	0	0	0	0	0
Rate*	---	---	---	---	---	---
95% C.I.	---	---	---	---	---	---
Other/Unknown	0	0	0	0	0	0
Race/Ethnicity						
White	4,076	2,365	912	797	2	94,367
Rate*	119.3	108.0	153.4	127.4	---	158.7
95% C.I.	(115.5-123.4)	(103.4-112.9)	(143.2-164.4)	(118.3-137.2)	---	(157.7-159.7)
Black	257	227	20	10	0	14,572
Rate*	140.8	136.5	172.2	236.9	---	257.3
95% C.I.	(122.0-163.4)	(117.0-160.5)	(101.1-289.5)	(112.4-516.1)	---	(253.0-261.6)
Native American	14	4	3	7	0	209
Rate*	43.9	---	---	---	---	51.7
95% C.I.	(21.1-86.5)	---	---	---	---	(44.7-59.7)
Asian	59	43	14	2	0	6,450
Rate*	58.6	58.0	55.5	---	---	100.9
95% C.I.	(41.0-84.0)	(37.3-90.2)	(29.0-125.3)	---	---	(98.4-103.5)
Hispanic	125	94	18	13	0	7,733
Rate*	48.7	47.1	49.6	51.2	---	117.2
95% C.I.	(39.6-60.8)	(37.4-62.0)	(28.3-92.8)	(25.2-98.2)	---	(114.5-119.9)
Other/Unknown	41	38	2	1	0	0

*Rates are per 100,000 male population and age-adjusted to the 2000 US Standard population.

Note: The “---” is used for rates calculated on numbers less than ten and SEER numbers less than five. Caution should be used when comparing rates for racial/ethnic groups to the National (SEER) rates. See Technical Notes for more information.

Table 87. Prostate Cancer Cases by Age Group and County/Region of Residence at Diagnosis, Nevada Residents (1996-2000) and SEER-11 (1995-1999)

Category	County/Region of Residence					SEER 11 (1995-1999)
	Nevada Total	Clark	Washoe	All Other Counties	Unknown	
Total						
Cases	4,572	2,771	969	830	2	119,272
Rate*	96.7	86.5	116.7	119.1	---	130.9
95% C.I.	(93.9-99.5)	(83.3-89.8)	(109.3-124.0)	(111.0-127.2)	---	(130.1-131.6)
Age Group						
<1	0	0	0	0	0	---
Rate*	---	---	---	---	---	---
95% C.I.	---	---	---	---	---	---
1-4	0	0	0	0	0	---
Rate*	---	---	---	---	---	---
95% C.I.	---	---	---	---	---	---
5-14	0	0	0	0	0	---
Rate*	---	---	---	---	---	---
95% C.I.	---	---	---	---	---	---
15-24	1	1	0	0	0	7
Rate*	---	---	---	---	---	---
95% C.I.	---	---	---	---	---	---
25-34	1	1	0	0	0	11
Rate*	---	---	---	---	---	0.1
95% C.I.	---	---	---	---	---	(0.0-0.1)
35-44	13	8	3	2	0	421
Rate*	1.7	---	---	---	---	2.7
95% C.I.	(0.8-2.6)	---	---	---	---	(2.4-3.0)
45-54	291	183	56	51	1	7,828
Rate*	47.5	45.8	48.7	51.9	---	69.5
95% C.I.	(42.1-53.0)	(39.2-52.5)	(36.0-61.5)	(37.7-66.1)	---	(67.9-71.0)
55-64	1,271	811	257	203	0	28,440
Rate*	296.5	283.2	357.9	287.5	---	423.4
95% C.I.	(280.2-312.7)	(263.7-302.7)	(314.1-401.7)	(248.0-327.1)	---	(418.4-428.3)
65-74	1,918	1,144	431	343	0	48,387
Rate*	627.3	558.9	882.7	656.8	---	938.8
95% C.I.	(599.3-655.4)	(526.5-591.3)	(799.3-966.0)	(587.3-726.4)	---	(930.4-947.1)
75-84	882	512	184	185	1	28,206
Rate*	598.1	522.6	780.7	713.3	---	973.2
95% C.I.	(558.6-637.5)	(477.3-567.9)	(667.9-893.5)	(610.5-816.1)	---	(961.9-984.6)
85+	195	111	38	46	0	5,964
Rate*	860.0	821.5	863.5	966.3	---	804.7
95% C.I.	(739.3-980.8)	(668.7-974.3)	(588.9-1,138.0)	(687.0-1,245.5)	---	(784.2-825.1)
Unknown	0	0	0	0	0	0

* Rates are per 100,000 age-specific male population.

Note: The "----" is used for rates calculated on numbers less than ten and SEER numbers less than five. See Technical Notes for more information.

Table 88. Prostate Cancer Cases by County of Residence at Diagnosis, Nevada Residents, 1996-2000 (Revised)

County of Residence at Diagnosis	1996-2000 Incidence				
	Cases	Rate*		Age-Adjusted Rate**	
		Rate	95% C.I.	Rate	95% C.I.
Carson City	223	185.2	(160.9-209.5)	172.6	(150.4-197.7)
Churchill	75	126.7	(98.0-155.4)	146.6	(114.4-186.9)
Clark	2,771	86.5	(83.3-89.8)	104.3	(100.1-108.7)
Douglas	139	137.9	(114.9-160.8)	124.8	(103.0-151.6)
Elko	56	46.8	(34.5-59.0)	117.0	(84.0-160.7)
Esmeralda	3	---	---	---	---
Eureka	3	---	---	---	---
Humboldt	32	72.9	(47.6-98.2)	129.9	(84.8-199.3)
Lander	6	---	---	---	---
Lincoln	16	151.8	(77.4-226.2)	121.2	(68.3-218.3)
Lyon	133	162.1	(134.5-189.6)	139.5	(116.0-168.0)
Mineral	27	194.0	(120.8-267.2)	152.7	(96.3-242.9)
Nye	86	112.3	(88.6-136.0)	78.1	(61.6-100.6)
Pershing	8	---	---	---	---
Storey	4	---	---	---	---
Washoe	969	116.7	(109.3-124.0)	144.8	(135.4-154.9)
White Pine	19	86.5	(47.6-125.4)	84.6	(50.6-135.5)
Unknown	2	---	---	---	---
Total	4,572	96.7	(93.9-99.5)	114.2	(110.6-117.8)

Note: The “---“ is used for rates calculated on numbers less than ten. *Rates are per 100,000 male population. **Rates are per 100,000 male population and are age-adjusted to the 2000 US Standard population.

Table 89. Prostate Cancer Cases by Race/Ethnicity and Gender, Nevada Residents, 1996-2000

Race/Ethnicity	Gender				
	Male	Female	Other/Unknown	Total	
White	Incidence	4,076	0	0	4,076
	Rate*	119.3	---	---	56.1
	95% C.I.	(115.5-123.4)	---	---	(54.4-57.9)
Black	Incidence	257	0	0	257
	Rate*	140.8	---	---	63.8
	95% C.I.	(122.0-163.4)	---	---	(55.9-73.0)
Native American	Incidence	14	0	0	14
	Rate*	43.9	---	---	17.5
	95% C.I.	(21.1-86.5)	---	---	(9.2-31.4)
Asian	Incidence	59	0	0	59
	Rate*	58.6	---	---	25.3
	95% C.I.	(41.0-84.0)	---	---	(17.6-36.5)
Hispanic	Incidence	125	0	0	125
	Rate*	48.7	---	---	22.5
	95% C.I.	(39.6-60.8)	---	---	(18.5-27.6)
Other/Unknown	41	0	0	41	
Total	Incidence	4,572	0	0	4,572
	Rate*	114.2	---	---	53.1
	95% C.I.	(110.6-117.8)	---	---	(51.5-54.7)

Note: The “---“ is used for rates calculated on numbers less than ten. *Rates are per 100,000 male population and are age-adjusted to the 2000 US Standard population.

Table 90. Prostate Cancer Cases by Age Group and Gender, Nevada Residents, 1996-2000

Age Group	Gender			
	Male	Female	Other/ Unknown	Total
<1	0	0	0	0
Rate*	---	---	---	---
95% C.I.	---	---	---	---
1-4	0	0	0	0
Rate*	---	---	---	---
95% C.I.	---	---	---	---
5-14	0	0	0	0
Rate*	---	---	---	---
95% C.I.	---	---	---	---
15-24	1	0	0	1
Rate*	---	---	---	---
95% C.I.	---	---	---	---
25-34	1	0	0	1
Rate*	---	---	---	---
95% C.I.	---	---	---	---
35-44	13	0	0	13
Rate*	1.7	---	---	0.9
95% C.I.	(0.8-2.6)	---	---	(0.4-1.3)
45-54	291	0	0	291
Rate*	47.5	---	---	24.1
95% C.I.	(42.1-53.0)	---	---	(21.3-26.8)
55-64	1,271	0	0	1,271
Rate*	296.5	---	---	147.6
95% C.I.	(280.2-312.7)	---	---	(139.5-155.8)
65-74	1,918	0	0	1,918
Rate*	627.3	---	---	309.4
95% C.I.	(599.3-655.4)	---	---	(295.6-323.2)
75-84	882	0	0	882
Rate*	598.1	---	---	269.1
95% C.I.	(558.6-637.5)	---	---	(251.3-286.9)
85+	195	0	0	195
Rate*	860.0	---	---	276.8
95% C.I.	(739.3-980.8)	---	---	(237.9-315.6)
Unknown	0	0	0	0
Total	4,572	0	0	4,572
Rate*	96.7	---	---	49.1
95% C.I.	(93.9-99.5)	---	---	(47.7-50.6)

Note: The "—" is used for rates calculated on numbers less than ten.

* Rates are per 100,000 age-specific population.

Table 91. Prostate Cancer Cases by Age Group and Stage, Nevada Residents, 1996-2000

Age Group		Stage					Total
		In situ	Localized	Regional	Distant	Unstaged	
<1	Number	0	0	0	0	0	0
	Percent	---	---	---	---	---	---
1-4	Number	0	0	0	0	0	0
	Percent	---	---	---	---	---	---
5-14	Number	0	0	0	0	0	0
	Percent	---	---	---	---	---	---
15-24	Number	0	1	0	0	0	1
	Percent	---	100.0%	---	---	---	100.0%
25-34	Number	0	1	0	0	0	1
	Percent	---	100.0%	---	---	---	100.0%
35-44	Number	0	9	3	0	1	13
	Percent	---	69.2%	23.1%	---	7.7%	100.0%
45-54	Number	0	206	50	6	29	291
	Percent	---	70.8%	17.2%	2.1%	10.0%	100.0%
55-64	Number	0	885	219	43	124	1,271
	Percent	---	69.6%	17.2%	3.4%	9.8%	100.0%
65-74	Number	0	1,327	212	107	272	1,918
	Percent	---	69.2%	11.1%	5.6%	14.2%	100.0%
75-84	Number	0	462	43	71	306	882
	Percent	---	52.4%	4.9%	8.0%	34.7%	100.0%
85+	Number	0	72	6	21	96	195
	Percent	---	36.9%	3.1%	10.8%	49.2%	100.0%
Unknown	Number	0	0	0	0	0	0
	Percent	---	---	---	---	---	---
Total	Number	0	2,963	533	248	828	4,572
	Percent	---	64.8%	11.7%	5.4%	18.1%	100.0%

Table 92. Prostate Cancer Cases by Stage and Race/Ethnicity, Nevada Residents, 1996-2000

Stage		Race/Ethnicity						Total
		White	Black	Native American	Asian	Hispanic	Other/Unknown	
In situ	Number	0	0	0	0	0	0	0
	Percent	---	---	---	---	---	---	---
Localized	Number	2,633	169	7	36	89	29	2,963
	Percent	64.6%	65.8%	50.0%	61.0%	71.2%	70.7%	64.8%
Regional	Number	486	27	1	3	12	4	533
	Percent	11.9%	10.5%	7.1%	5.1%	9.6%	9.8%	11.7%
Distant	Number	223	12	1	7	4	1	248
	Percent	5.5%	4.7%	7.1%	11.9%	3.2%	2.4%	5.4%
Unstaged	Number	734	49	5	13	20	7	828
	Percent	18.0%	19.1%	35.7%	22.0%	16.0%	17.1%	18.1%
Total	Number	4,076	257	14	59	125	41	4,572
	Percent	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%

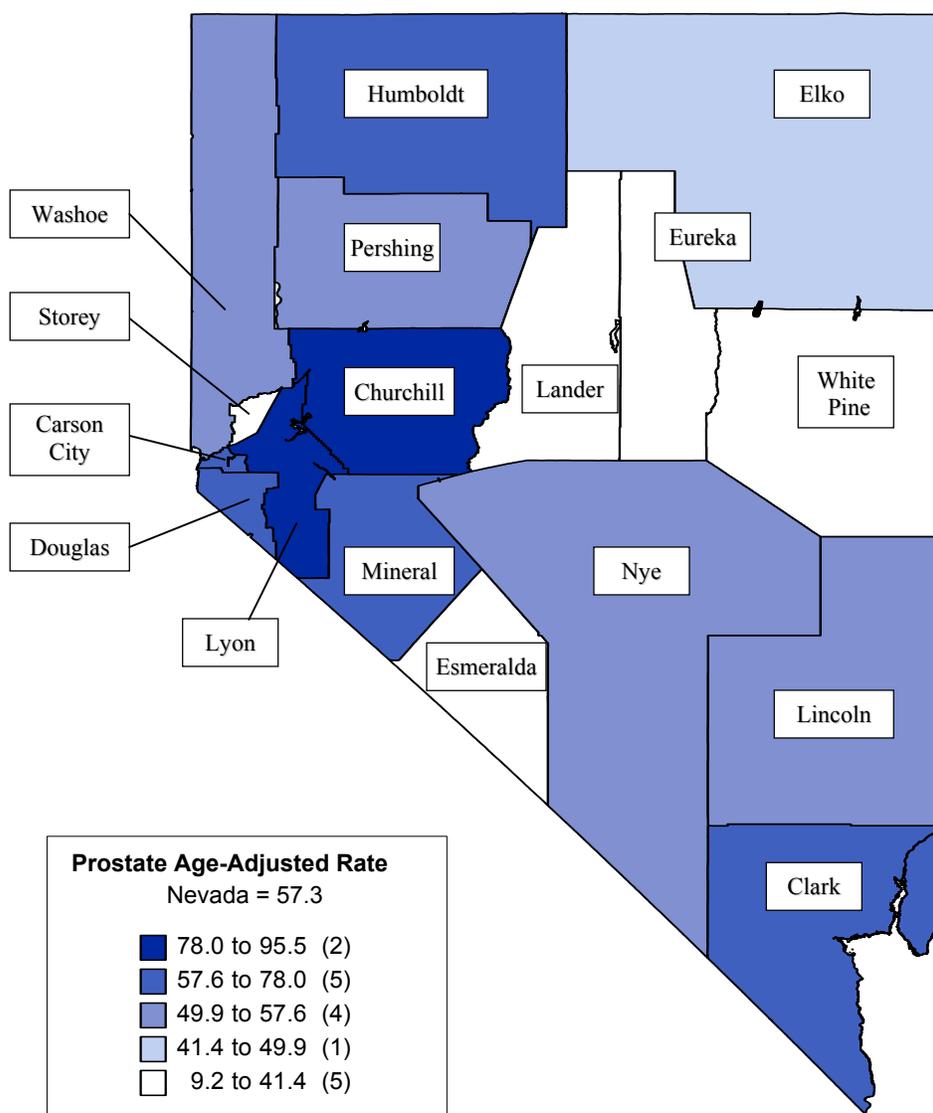
Table 93. Median Age at Diagnosis of Prostate Cancer by Race/Ethnicity and Gender, Nevada Residents, 1996-2000

Race/Ethnicity	Gender					
	Male		Female		Total	
	Incidence	Median Age	Incidence	Median Age	Incidence	Median Age
White	4,076	68.0	0	---	4,076	68.0
Black	257	65.0	0	---	257	65.0
Native American	14	69.0	0	---	14	69.0
Asian	59	71.0	0	---	59	71.0
Hispanic	125	66.0	0	---	125	66.0
Other/Unknown	41	65.0	0	---	41	65.0
Total	4,572	68.0	0	---	4,572	68.0

Note: Those cases of other/unknown gender and/or unknown ages are not included in this table. The median age was not calculated for those numbers less than five.

INPATIENT HOSPITAL DISCHARGES

Figure 66. Prostate Cancer Age-Adjusted (2000) Inpatient Discharge Rates, Nevada Residents, 1996-2000



Note: Rates are per 100,000 male population and age-adjusted to 2000 US Standard population. Caution should be used when interpreting rates based upon small numbers and comparing inpatient hospital discharge rates to other data sources, because it is occurrence based data. See Technical notes for more information.

Figure 67. Prostate Cancer Age-Adjusted Inpatient Discharge Rates by County/Region of Residence, Nevada Residents, 1996-2000

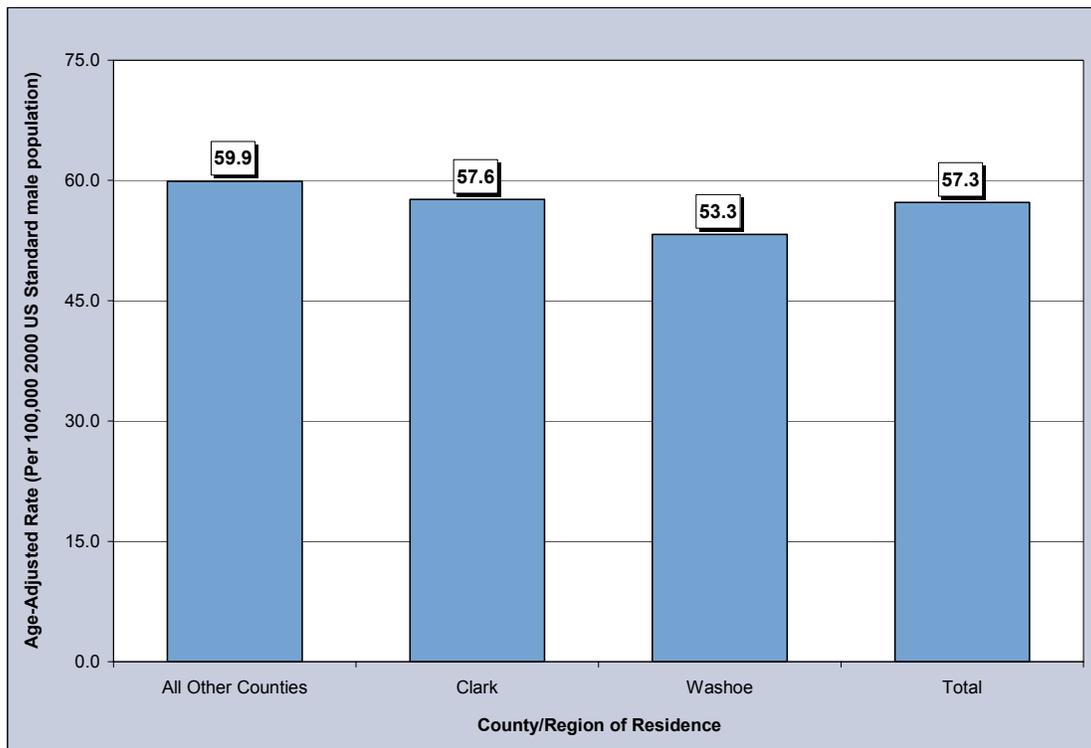


Figure 68. Median Charges for Prostate Cancer Inpatient Discharges by County/Region of Residence, Nevada Residents, 1996-2000

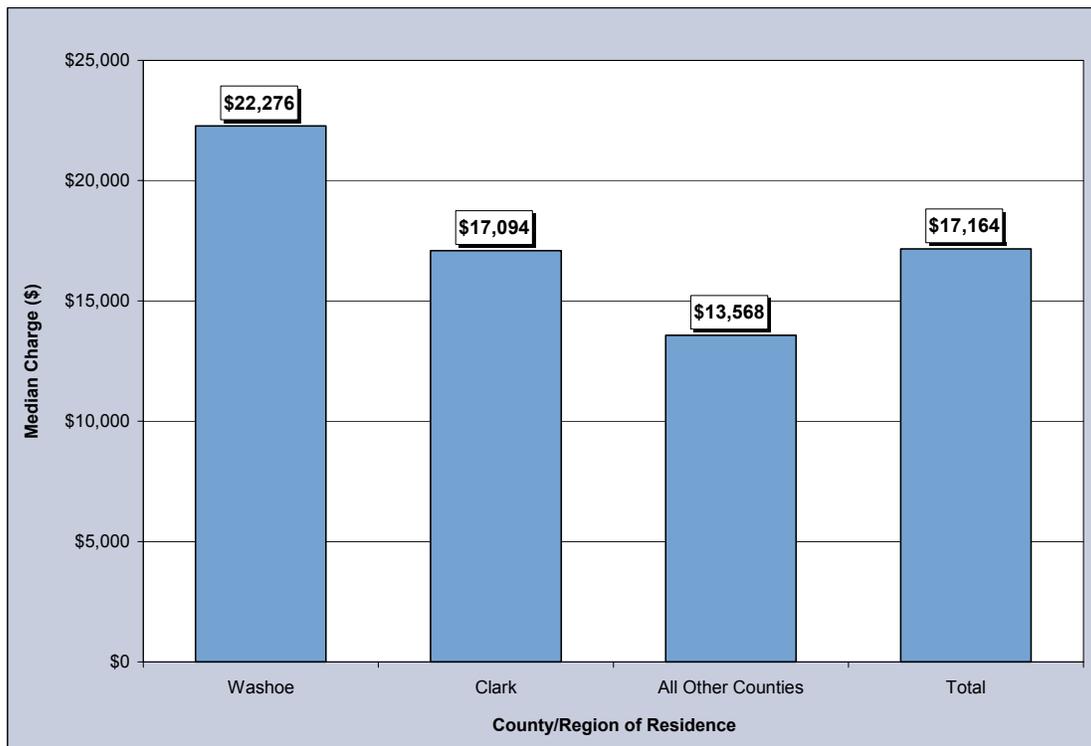


Figure 69. Average Length of Stay for Prostate Cancer Inpatient Discharges by County/Region of Residence, Nevada Residents, 1996-2000

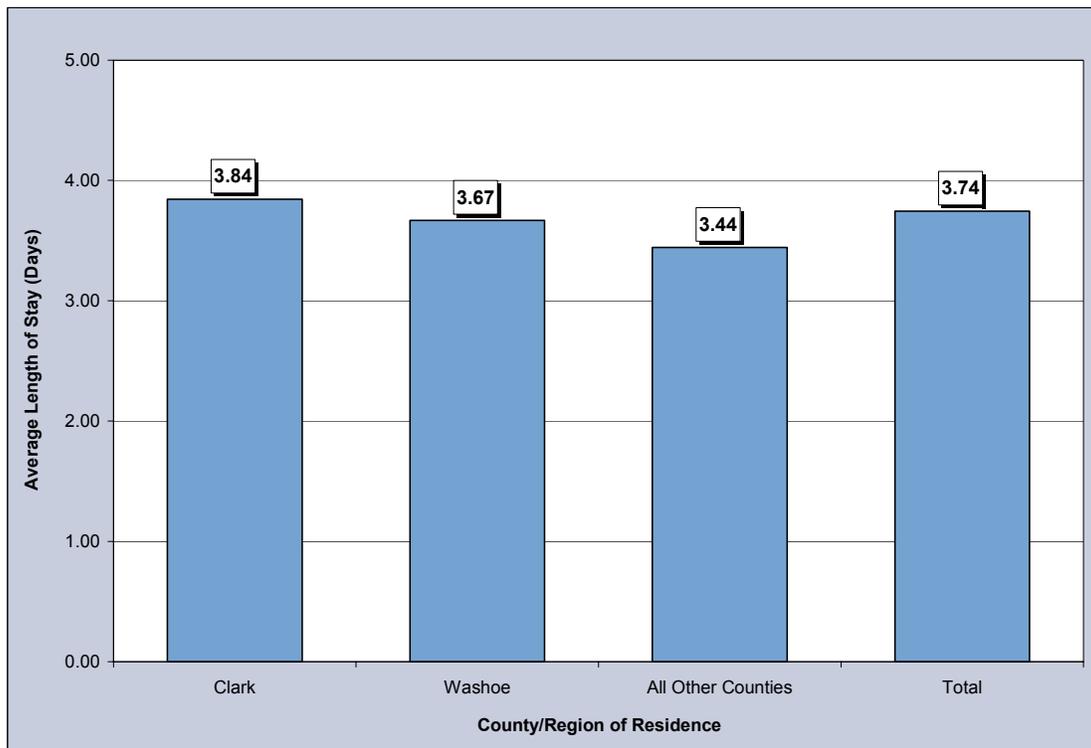


Table 94. Prostate Cancer Inpatient Discharges by Gender, Charges, Length of Stay, and County/Region of Residence, Nevada Residents, 1996-2000

Category	County/Region of Residence				
	Nevada Total	Clark	Washoe	All Other Counties	Unknown
Total					
Discharges	2,450	1,631	383	436	0
Rate*	27.3	27.3	25.3	29.3	---
95% C.I.	(26.2-28.4)	(26.0-28.7)	(22.8-28.1)	(26.6-32.3)	---
Gender					
Male	2,450	1,631	383	436	0
Rate*	57.3	57.6	53.3	59.9	---
95% C.I.	(54.9-59.7)	(54.7-60.8)	(47.9-59.4)	(54.2-66.2)	---
Female	0	0	0	0	0
Rate*	---	---	---	---	---
95% C.I.	---	---	---	---	---
Other/Unknown	0	0	0	0	0
Inpatient Discharge Charges (\$)					
Total Charges	\$49,678,772	\$34,466,293	\$8,499,386	\$6,713,093	---
Average Charges	\$20,277	\$21,132	\$22,192	\$15,397	---
Median Charges	\$17,164	\$17,094	\$22,276	\$13,568	---
Discharge Length of Stay (LOS) (Days)					
Total LOS	9,175	6,269	1,405	1,501	---
Average LOS	3.7	3.8	3.7	3.4	---
Median LOS	3.0	3.0	3.0	3.0	---

* Rates are per 100,000 male population and are age-adjusted to the 2000 US Standard population.

Note: The "---" is used for rates calculated on numbers less than ten. Caution should be used when comparing inpatient hospital discharge data to other data sources, since it is occurrence-based data. Please see Technical Notes for more information.

Table 95. Prostate Cancer Inpatient Discharges by Age Group and County/Region of Residence, Nevada Residents, 1996-2000

Category	County/Region of Residence				
	Nevada Total	Clark	Washoe	All Other Counties	Unknown
Total					
Cases	2,450	1,631	383	436	0
Rate*	51.8	50.9	46.1	62.6	---
95% C.I.	(49.7-53.8)	(48.5-53.4)	(41.5-50.7)	(56.7-68.4)	---
Age Group					
<1	0	0	0	0	0
Rate*	---	---	---	---	---
95% C.I.	---	---	---	---	---
1-4	2	2	0	0	0
Rate*	---	---	---	---	---
95% C.I.	---	---	---	---	---
5-14	0	0	0	0	0
Rate*	---	---	---	---	---
95% C.I.	---	---	---	---	---
15-24	0	0	0	0	0
Rate*	---	---	---	---	---
95% C.I.	---	---	---	---	---
25-34	0	0	0	0	0
Rate*	---	---	---	---	---
95% C.I.	---	---	---	---	---
35-44	11	8	2	1	0
Rate*	1.4	---	---	---	---
95% C.I.	(0.6-2.3)	---	---	---	---
45-54	220	150	34	36	0
Rate*	35.9	37.6	29.6	36.6	---
95% C.I.	(31.2-40.7)	(31.6-43.6)	(19.6-39.5)	(24.7-48.6)	---
55-64	900	603	151	146	0
Rate*	209.9	210.6	210.3	206.8	---
95% C.I.	(196.2-223.6)	(193.8-227.4)	(176.7-243.8)	(173.2-240.3)	---
65-74	965	623	149	193	0
Rate*	315.6	304.4	305.1	369.6	---
95% C.I.	(295.7-335.5)	(280.5-328.3)	(256.1-354.1)	(317.5-421.7)	---
75-84	292	208	37	47	0
Rate*	198.0	212.3	157.0	181.2	---
95% C.I.	(175.3-220.7)	(183.5-241.2)	(106.4-207.6)	(129.4-233.0)	---
85+	60	37	10	13	0
Rate*	264.6	273.8	227.2	273.1	---
95% C.I.	(197.7-331.6)	(185.6-362.1)	(86.4-368.1)	(124.6-421.5)	---
Unknown	0	0	0	0	0

* Rates are per 100,000 age-specific male population.

Note: The “---“ is used for rates calculated on numbers less than ten. Caution should be used when comparing inpatient hospital discharge data to other data sources, since it is occurrence-based data. Please see Technical Notes for more information.

Table 96. Prostate Cancer Inpatient Discharges by Age Group and Gender, Nevada Residents, 1996-2000

Age Group	Gender		
	Male	Female	Total
<1	0	0	0
Rate*	---	---	---
95% C.I.	---	---	---
1-4	2	0	2
Rate*	---	---	---
95% C.I.	---	---	---
5-14	0	0	0
Rate*	---	---	---
95% C.I.	---	---	---
15-24	0	0	0
Rate*	---	---	---
95% C.I.	---	---	---
25-34	0	0	0
Rate*	---	---	---
95% C.I.	---	---	---
35-44	11	0	11
Rate*	1.4	---	0.7
95% C.I.	(0.6-2.3)	---	(0.3-1.2)
45-54	220	0	220
Rate*	35.9	---	18.2
95% C.I.	(31.2-40.7)	---	(15.8-20.6)
55-64	900	0	900
Rate*	209.9	---	104.5
95% C.I.	(196.2-223.6)	---	(97.7-111.4)
65-74	965	0	965
Rate*	315.6	---	155.7
95% C.I.	(295.7-335.5)	---	(145.8-165.5)
75-84	292	0	292
Rate*	198.0	---	89.1
95% C.I.	(175.3-220.7)	---	(78.9-99.3)
85+	60	0	60
Rate*	264.6	---	85.2
95% C.I.	(197.7-331.6)	---	(63.6-106.7)
Unknown	0	0	0
Total	2,450	0	2,450
Rate*	51.8	---	26.3
95% C.I.	(49.7-53.8)	---	(25.3-27.4)

* Rates are per 100,000 male age-specific population.

Note: The "—" is used for rates calculated on numbers less than ten. Caution should be used when comparing inpatient hospital discharge data to other data sources, since it is occurrence-based data. Please see Technical Notes for more information.

Table 97. Prostate Cancer Inpatient Discharges by County/Region of Residence, Nevada Residents, 1996-2000

County of Residence	1996-2000 Inpatient Hospital Admissions				
	Cases	Rate*		Age-Adjusted Rate**	
		Rate	95% C.I.	Rate	95% C.I.
Carson City	88	73.1	(57.8-88.4)	67.9	(54.4-84.4)
Churchill	42	71.0	(49.5-92.4)	78.1	(55.8-108.5)
Clark	1,631	50.9	(48.5-53.4)	57.6	(54.7-60.8)
Douglas	77	76.4	(59.3-93.4)	65.3	(50.2-85.5)
Elko	26	21.7	(13.4-30.1)	41.5	(24.5-68.9)
Esmeralda	1	---	---	---	---
Eureka	1	---	---	---	---
Humboldt	17	38.7	(20.3-57.1)	60.8	(32.5-114.9)
Lander	1	---	---	---	---
Lincoln	7	---	---	---	---
Lyon	96	117.0	(93.6-140.4)	95.5	(77.1-118.9)
Mineral	12	86.2	(37.4-135.0)	60.7	(31.2-125.8)
Nye	55	71.8	(52.8-90.8)	49.9	(36.8-69.4)
Pershing	7	---	---	---	---
Storey	2	---	---	---	---
Washoe	383	46.1	(41.5-50.7)	53.3	(47.9-59.4)
White Pine	4	---	---	---	---
Unknown	0	---	---	---	---
Total	2,450	51.8	(49.7-53.8)	57.3	(54.9-59.7)

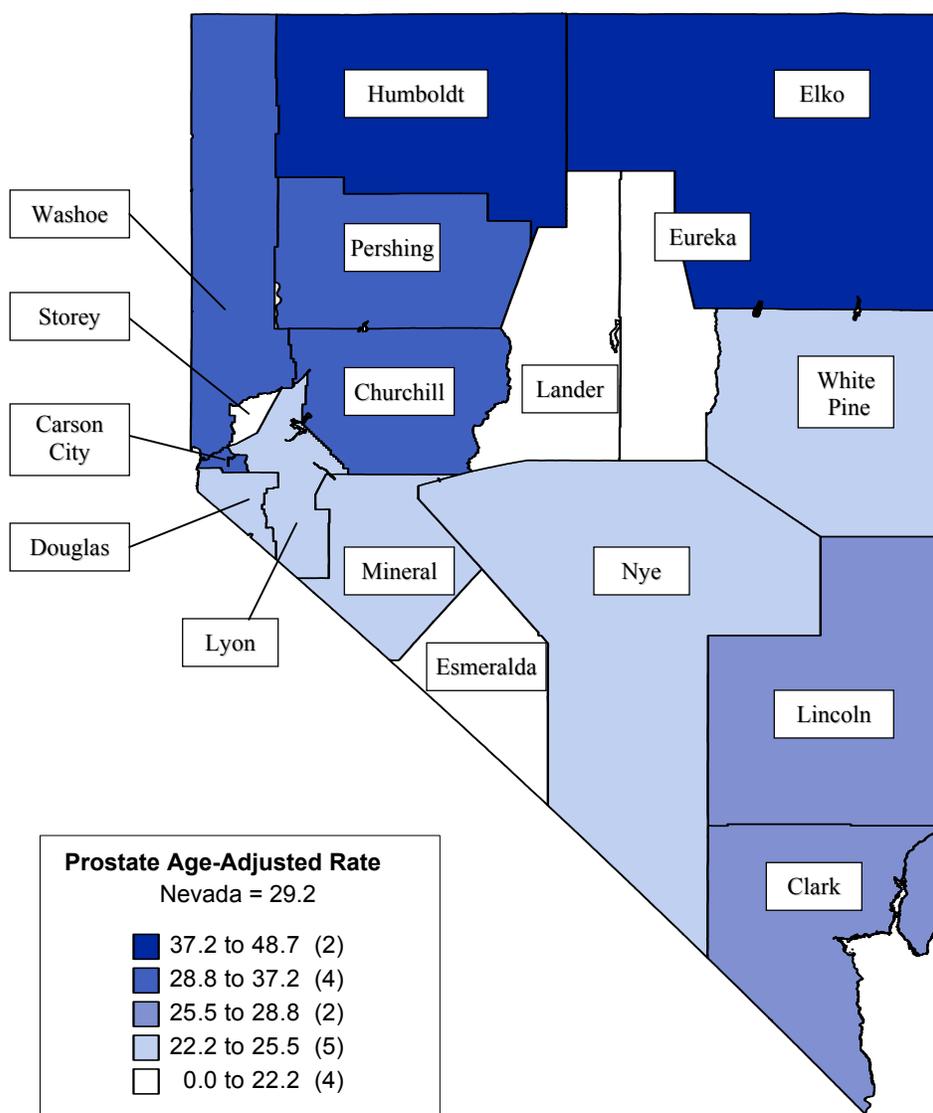
Note: The “---“ is used for rates calculated on numbers less than ten. *Rates are per 100,000 male population. **Rates are per 100,000 male population and are age-adjusted to the 2000 US Standard population.

Table 98. Prostate Cancer Inpatient Discharges by Age Group, Charges and Length of Stay, Nevada Residents, 1996-2000

Age Group	Discharges	Charges (\$)			Length of Stay (Days)		
		Total	Average	Median	Total	Average	Median
<1	0	---	---	---	---	---	---
1-4	2	---	---	---	---	---	---
5-14	0	---	---	---	---	---	---
15-24	0	---	---	---	---	---	---
25-34	0	---	---	---	---	---	---
35-44	11	194,101	17,646	18,350	35	3.2	3.0
45-54	220	4,089,156	18,587	17,980	755	3.4	3.0
55-64	900	22,203,627	24,671	18,343	3,357	3.7	3.0
65-74	965	17,927,622	18,578	17,138	3,598	3.7	3.0
75-84	292	4,107,523	14,067	10,571	1,161	4.0	2.0
85+	60	1,129,456	18,824	10,371	264	4.4	3.0
Unknown	0	---	---	---	---	---	---
Total	2,450	49,678,772	20,277	17,164	9,175	3.7	3.0

MORTALITY

Figure 70. Prostate Cancer Age-Adjusted (2000) Mortality Rates, Nevada Residents, 1996-2000



Note: Rates are per 100,000 male population and age-adjusted to 2000 US Standard population. Caution should be used when interpreting rates based upon small numbers. See Technical notes for more information.

Figure 71. Prostate Cancer Age-Adjusted Mortality Rates by County/Region of Residence, Nevada Residents, 1996-2000

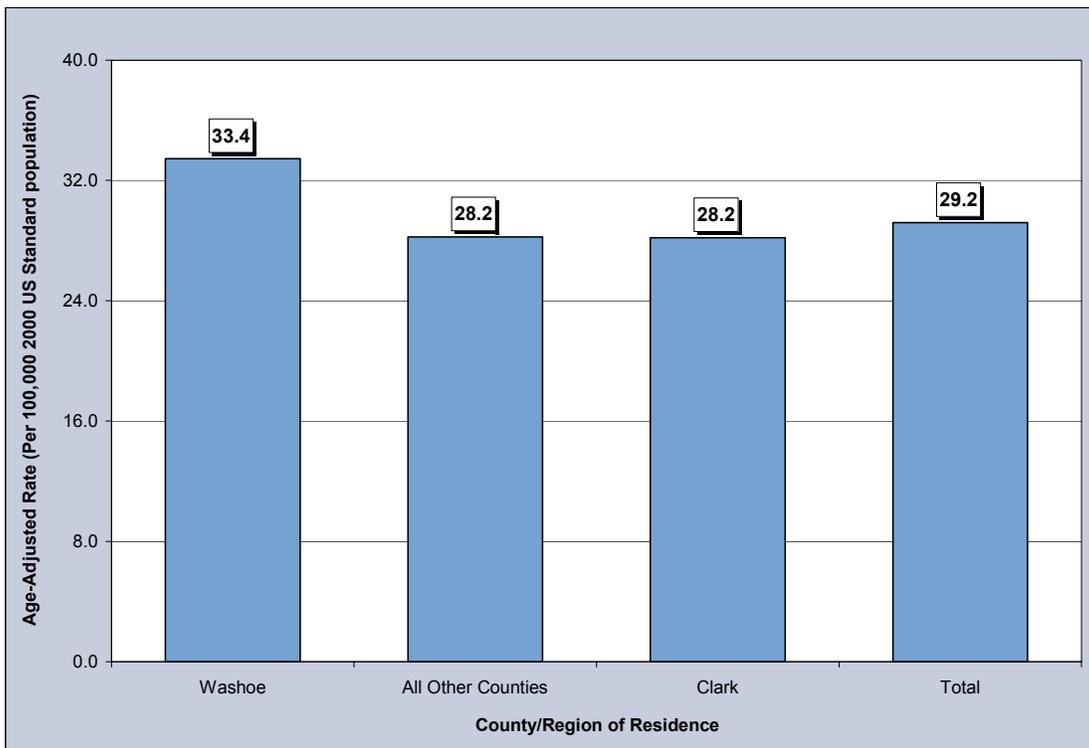


Figure 72. Prostate Cancer Age-Adjusted Mortality Rates by Race/Ethnicity, Nevada Residents, 1996-2000

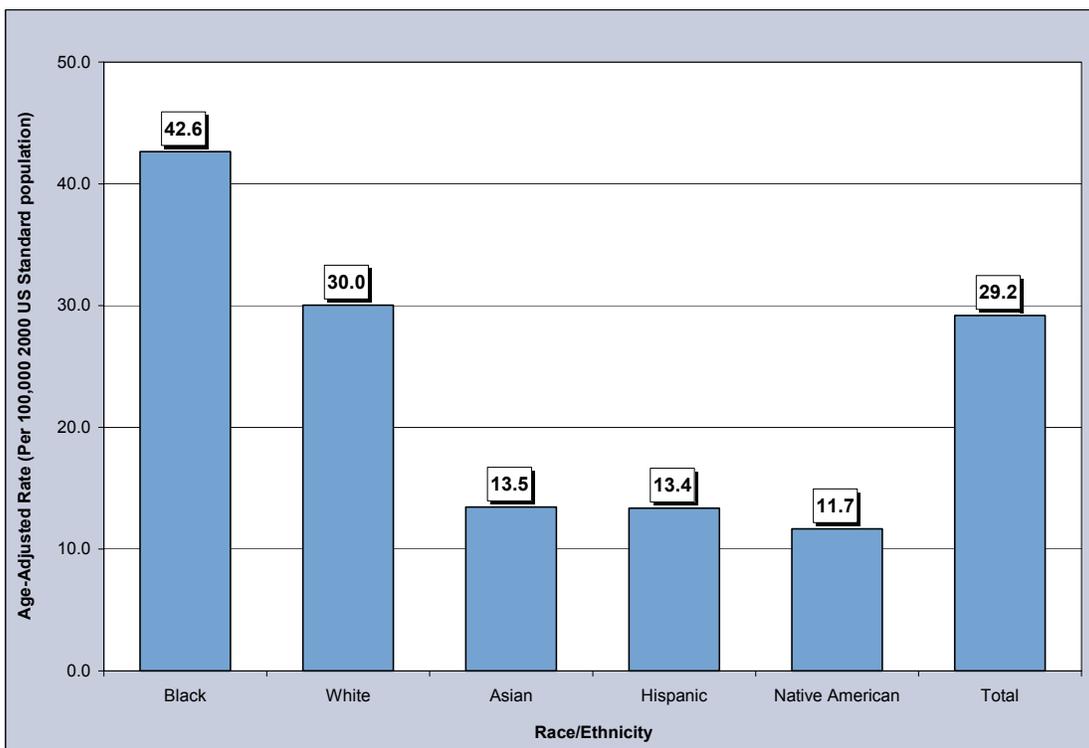


Table 99. Prostate Cancer Mortality by Gender, Race/Ethnicity and County/Region of Residence, Nevada Residents, 1996-2000

Category	County/Region of Residence			
	Nevada Total	Clark	Washoe	All Other Counties
Total				
Cases	883	568	166	149
Rate*	12.2	11.8	13.4	12.2
95% C.I.	(11.4-13.1)	(10.8-12.9)	(11.4-15.6)	(10.3-14.4)
Gender				
Male	883	568	166	149
Rate*	29.2	28.2	33.4	28.2
95% C.I.	(27.1-31.5)	(25.6-31.0)	(28.2-39.5)	(23.6-33.7)
Female	0	0	0	0
Rate*	---	---	---	---
95% C.I.	---	---	---	---
Other/Unknown	0	0	0	0
Race/Ethnicity				
White	791	491	158	142
Rate*	30.0	28.8	35.1	29.1
95% C.I.	(27.8-32.5)	(26.0-31.9)	(29.4-41.6)	(24.2-34.9)
Black	54	52	2	0
Rate*	42.6	44.0	---	---
95% C.I.	(30.4-59.5)	(31.0-62.3)	---	---
Native American	3	1	1	1
Rate*	---	---	---	---
95% C.I.	---	---	---	---
Asian	13	12	0	1
Rate*	13.5	16.0	---	---
95% C.I.	(6.0-30.0)	(6.5-38.6)	---	---
Hispanic	22	12	5	5
Rate*	13.4	10.5	---	---
95% C.I.	(7.7-23.1)	(4.6-23.4)	---	---
Other/Unknown	0	0	0	0

Note: The "----" is used for rates calculated on numbers less than ten.

*Rates are per 100,000 population and age-adjusted to the 2000 US Standard population. Rates for race/ethnicity groups are per 100,000 male population and age-adjusted to the 2000 US Standard population.

Table 100. Prostate Cancer Mortality by Age Group and County/Region of Residence, Nevada Residents, 1996-2000

Category	County/Region of Residence			
	Nevada Total	Clark	Washoe	All Other Counties
Total				
Cases	883	568	166	149
Rate*	18.7	17.7	20.0	21.4
95% C.I.	(17.4-19.9)	(16.3-19.2)	(16.9-23.0)	(17.9-24.8)
Age Group				
<1	0	0	0	0
Rate*	---	---	---	---
95% C.I.	---	---	---	---
1-4	0	0	0	0
Rate*	---	---	---	---
95% C.I.	---	---	---	---
5-14	0	0	0	0
Rate*	---	---	---	---
95% C.I.	---	---	---	---
15-24	0	0	0	0
Rate*	---	---	---	---
95% C.I.	---	---	---	---
25-34	0	0	0	0
Rate*	---	---	---	---
95% C.I.	---	---	---	---
35-44	0	0	0	0
Rate*	---	---	---	---
95% C.I.	---	---	---	---
45-54	6	4	1	1
Rate*	---	---	---	---
95% C.I.	---	---	---	---
55-64	73	50	16	7
Rate*	17.0	17.5	22.3	---
95% C.I.	(13.1-20.9)	(12.6-22.3)	(11.4-33.2)	---
65-74	283	191	45	47
Rate*	92.6	93.3	92.2	90.0
95% C.I.	(81.8-103.3)	(80.1-106.5)	(65.2-119.1)	(64.3-115.7)
75-84	373	242	70	61
Rate*	252.9	247.0	297.0	235.2
95% C.I.	(227.3-278.6)	(215.9-278.1)	(227.4-366.6)	(176.2-294.2)
85+	148	81	34	33
Rate*	652.8	599.5	772.6	693.2
95% C.I.	(547.6-757.9)	(468.9-730.0)	(512.9-1,032.3)	(456.7-929.7)
Unknown	0	0	0	0

* Rates are per 100,000 age-specific male population.
 Note: The "----" is used for rates calculated on numbers less than ten.

Table 101. Prostate Cancer Mortality by County of Residence, Nevada Residents, 1996-2000

County of Residence	1996-2000 Mortality				
	Deaths	Rate*		Age-Adjusted Rate**	
		Rate	95% C.I.	Rate	95% C.I.
Carson City	40	33.2	(22.9-43.5)	31.6	(22.4-43.9)
Churchill	18	30.4	(16.4-44.5)	37.2	(21.6-61.7)
Clark	568	17.7	(16.3-19.2)	28.2	(25.6-31.0)
Douglas	19	18.8	(10.4-27.3)	25.5	(14.2-43.2)
Elko	15	12.5	(6.2-18.9)	48.7	(26.0-83.9)
Esmeralda	1	---	---	---	---
Eureka	0	---	---	---	---
Humboldt	6	---	---	---	---
Lander	2	---	---	---	---
Lincoln	3	---	---	---	---
Lyon	16	19.5	(9.9-29.1)	22.2	(12.0-38.7)
Mineral	3	---	---	---	---
Nye	17	22.2	(11.6-32.8)	24.3	(12.6-44.2)
Pershing	3	---	---	---	---
Storey	1	---	---	---	---
Washoe	166	20.0	(16.9-23.0)	33.4	(28.2-39.5)
White Pine	5	---	---	---	---
Unknown	0	---	---	---	---
Total	883	18.7	(17.4-19.9)	29.2	(27.1-31.5)

Note: The “---“ is used for rates calculated on numbers less than ten. *Rates are per 100,000 male population. **Rates are per 100,000 male population and are age-adjusted to the 2000 US Standard population.

Table 102. Prostate Cancer Mortality by Race/Ethnicity and Gender, Nevada Residents, 1996-2000

Race/Ethnicity		Gender		
		Male	Female	Total
White	Mortality	791	0	791
	Rate*	30.0	---	12.6
	95% C.I.	(27.8-32.5)	---	(11.7-13.5)
Black	Mortality	54	0	54
	Rate*	42.6	---	17.5
	95% C.I.	(30.4-59.5)	---	(12.9-23.5)
Native American	Mortality	3	0	3
	Rate*	---	---	---
	95% C.I.	---	---	---
Asian	Mortality	13	0	13
	Rate*	13.5	---	5.8
	95% C.I.	(6.0-30.0)	---	(2.6-13.1)
Hispanic	Mortality	22	0	22
	Rate*	13.4	---	5.6
	95% C.I.	(7.7-23.1)	---	(3.4-9.2)
Other/Unknown		0	0	0
Total	Mortality	883	0	883
	Rate*	29.2	---	12.2
	95% C.I.	(27.1-31.5)	---	(11.4-13.1)

Note: The “---“ is used for rates calculated on numbers less than ten. *Rates are per 100,000 male population and are age-adjusted to the 2000 US Standard population.

Table 103. Prostate Cancer Mortality by Age Group and Gender, Nevada Residents, 1996-2000

Age Group	Gender		
	Male	Female	Total
<1	0	0	0
Rate*	---	---	---
95% C.I.	---	---	---
1-4	0	0	0
Rate*	---	---	---
95% C.I.	---	---	---
5-14	0	0	0
Rate*	---	---	---
95% C.I.	---	---	---
15-24	0	0	0
Rate*	---	---	---
95% C.I.	---	---	---
25-34	0	0	0
Rate*	---	---	---
95% C.I.	---	---	---
35-44	0	0	0
Rate*	---	---	---
95% C.I.	---	---	---
45-54	6	0	6
Rate*	---	---	---
95% C.I.	---	---	---
55-64	73	0	73
Rate*	17.0	---	8.5
95% C.I.	(13.1-20.9)	---	(6.5-10.4)
65-74	283	0	283
Rate*	92.6	---	45.7
95% C.I.	(81.8-103.3)	---	(40.3-51.0)
75-84	373	0	373
Rate*	252.9	---	113.8
95% C.I.	(227.3-278.6)	---	(102.3-125.4)
85+	148	0	148
Rate*	652.8	---	210.1
95% C.I.	(547.6-757.9)	---	(176.2-243.9)
Unknown	0	0	0
Total	883	0	883
Rate*	18.7	---	9.5
95% C.I.	(17.4-19.9)	---	(8.9-10.1)

Note: The “---” is used for rates calculated on numbers less than ten.

* Rates are per 100,000 age-specific population.

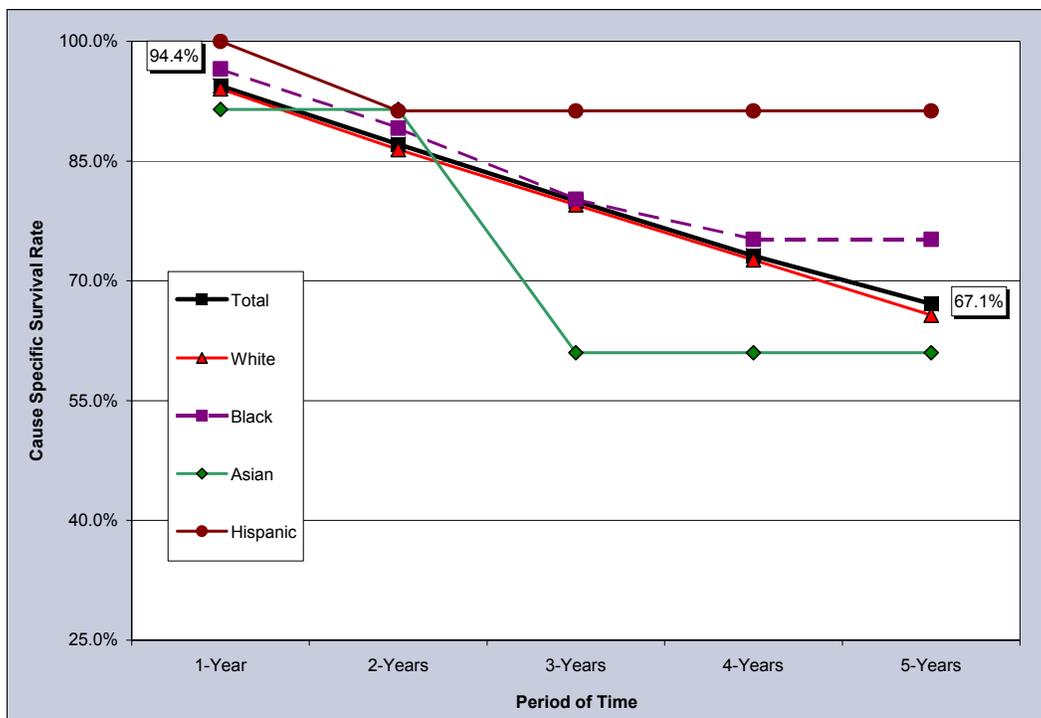
Table 104. Median Age at Death from Prostate Cancer by Race/Ethnicity and Gender, Nevada Residents, 1996-2000

Race/Ethnicity	Gender					
	Male		Female		Total	
	Deaths	Median Age	Deaths	Median Age	Deaths	Median Age
White	791	77.0	0	---	791	77.0
Black	54	75.0	0	---	54	75.0
Native American	3	---	0	---	3	---
Asian	13	74.0	0	---	13	74.0
Hispanic	22	74.0	0	---	22	74.0
Other/Unknown	0	---	0	---	0	---
Total	883	76.0	0	---	883	76.0

Note: Those cases of other/unknown gender and/or unknown ages are not included in this table. The median age was not calculated for those numbers less than five.

SURVIVAL RATE

Figure 73. Survival Rates for Prostate Cancer by Race/Ethnicity, Nevada Residents, 1996-2000



Notes: The survival rate for those racial/ethnic groups not included in this chart could not be calculated due to small cell size.

Figure 74. Survival Rates for Prostate Cancer by Stage of Cancer at Diagnosis, Nevada Residents, 1996-2000

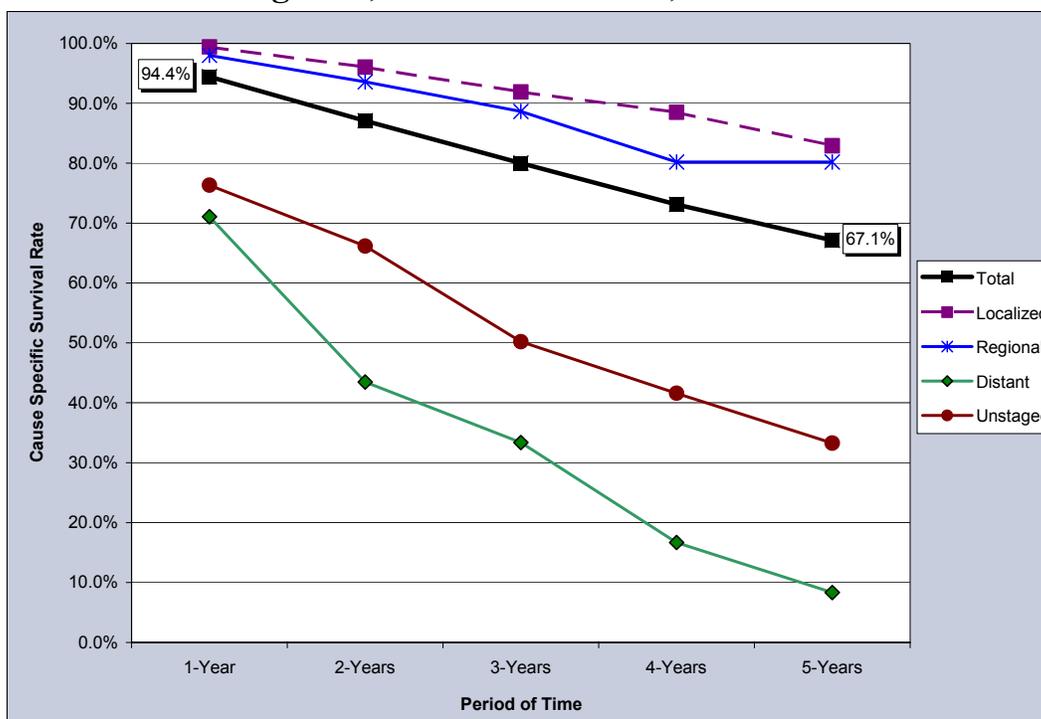


Table 105. Cause-Specific Survival Rates for Prostate Cancer by Race/Ethnicity and Gender, Nevada Residents, 1996-2000

Race/ Ethnicity and Gender	Number of Cases	Cause Specific Survival Rate					Median Survival Time (years)
		One Year	Two Years	Three Years	Four Years	Five Years	
Total	2,626	94.4%	87.1%	80.0%	73.1%	67.1%	>5 years
Male	2,626	94.4%	87.1%	80.0%	73.1%	67.1%	>5 years
Female	0	---	---	---	---	---	---
Race/Ethnicity							
White	2,310	94.0%	86.5%	79.5%	72.6%	65.7%	>5 years
Male	2,310	94.0%	86.5%	79.5%	72.6%	65.7%	>5 years
Female	0	---	---	---	---	---	---
Black	165	96.6%	89.1%	80.2%	75.2%	75.2%	>5 years
Male	165	96.6%	89.1%	80.2%	75.2%	75.2%	>5 years
Female	0	---	---	---	---	---	---
Native American	3	---	---	---	---	---	---
Male	3	---	---	---	---	---	---
Female	0	---	---	---	---	---	---
Asian	36	---	---	---	---	---	---
Male	36	---	---	---	---	---	---
Female	0	---	---	---	---	---	---
Hispanic	80	100.0%	91.3%	91.3%	91.3%	91.3%	>5 years
Male	80	100.0%	91.3%	91.3%	91.3%	91.3%	>5 years
Female	0	---	---	---	---	---	---

Notes: 1) The “---” indicates that survival rate could not be calculated due to small cell size. Caution should be used when interpreting survival rates based upon categories with a small number of cases. 2) Those cases where the gender and/or race/ethnicity were other/unknown, are not shown separately, but are included in the category totals. 3) These rates may not be directly comparable to National rates because of different methodologies. Caution should be used when trying to compare rates for Nevada and the Nation. For more information on the calculation of survival rates, please refer to Technical Notes section.

Table 106. Cause-Specific Survival Rates for Prostate Cancer by Stage of Cancer at Diagnosis and Gender, Nevada Residents, 1996-2000

Survival Rate of Stage at Diagnosis		Gender		
		Total	Male	Female
Total	Cases	2,626	2,626	0
	One Year	94.4%	94.4%	---
	5 Years	67.1%	67.1%	---
	Median Survival	>5 years	>5 years	---
Stage at Diagnosis				
In situ	Cases	0	0	0
	One Year	---	---	---
	5 Years	---	---	---
	Median Survival	---	---	---
Localized	Cases	1,877	1,877	0
	One Year	99.4%	99.4%	---
	5 Years	82.9%	82.9%	---
	Median Survival	>5 years	>5 years	---
Regional	Cases	312	312	0
	One Year	98.0%	98.0%	---
	5 Years	80.2%	80.2%	---
	Median Survival	>5 years	>5 years	---
Distant	Cases	147	147	0
	One Year	71.1%	71.1%	---
	5 Years	8.3%	8.3%	---
	Median Survival	1.76	1.76	---
Unstaged	Cases	290	290	0
	One Year	76.3%	76.3%	---
	5 Years	33.3%	33.3%	---
	Median Survival	3.02	3.02	---

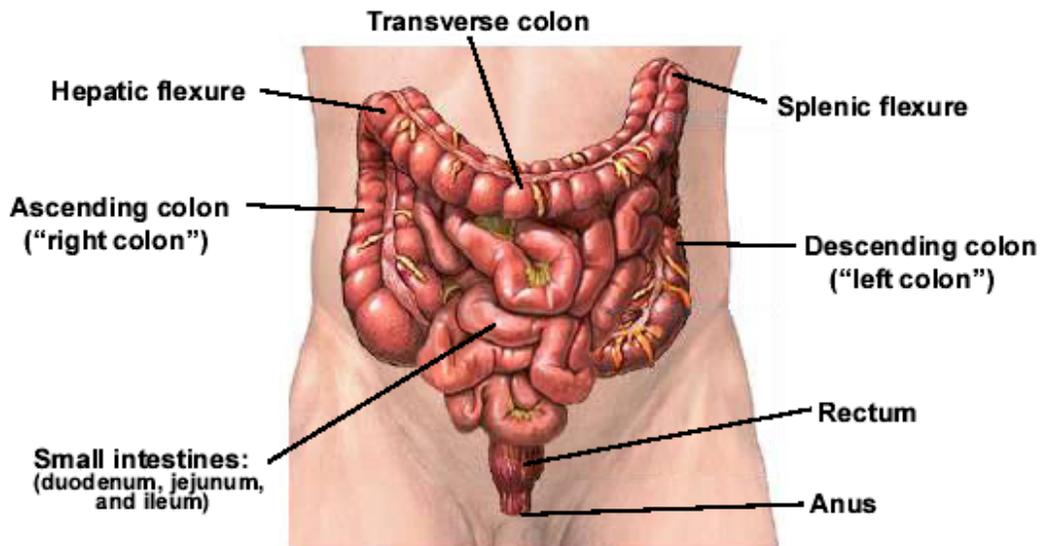
Notes: 1) The “---” indicates that survival rate could not be calculated due to small cell size. Caution should be used when interpreting survival rates based upon categories with a small number of cases. 2) These rates may not be directly comparable to National rates because of different methodologies. Caution should be used when trying to compare rates for Nevada and the Nation. For more information on the calculation of survival rates, please refer to Technical Notes section.

COLORECTAL CANCER

COLORECTAL CANCER

GENERAL PROFILE⁴

Figure 75. Anatomy of the Digestive System⁵



General Anatomy: The colon and rectum are parts of the body's digestive system, which removes nutrients from food and stores waste until it passes out of the body. Together, the colon and rectum form a long, muscular tube called the large intestine (also called the large bowel). The colon is the first 6 feet of the large intestine, and the rectum is the last 8 to 10 inches.

Risk Factors: Age, diet, polyps (benign growths on the inner wall of the colon and rectum), personal medical history, family medical history, and ulcerative colitis (the lining of the colon becomes inflamed).

Signs and Symptoms: A change in bowel habits, diarrhea, constipation, or feeling that the bowel does not empty completely, blood (either bright red or very dark) in the stool, stools that are narrower than usual, general abdominal discomfort (frequent gas pains, bloating, fullness, and/or cramps), weight loss with no known reason, constant tiredness, and vomiting.

Diagnosing the Cancer: Fecal occult blood test, sigmoidoscopy, colonoscopy, double contrast barium enema (DCBE), polypectomy, biopsy, and a digital rectal exam.

Treatment: Treatment options include: surgery (Colostomy), chemotherapy, radiation therapy, biological therapy, and clinical trials.

HIGHLIGHTS

- The ratio of the age-adjusted incidence rate, 53.1, to the age-adjusted mortality rate, 22.9 (per 100,000 – 2000 US Standard population), for Colorectal Cancer was 2.32 during the 1996 to 2000 period, which means that for every 2.32 Colorectal Cancer cases during this period, there was one death due to Colorectal Cancer in Nevada.
- Nevadan females had a higher ratio than males when the age-adjusted incidence and age-adjusted mortality rates for Colorectal Cancer were compared. For every female death due to Colorectal Cancer there was 2.48 female cases while there were 2.17 male cases for every male Colorectal Cancer death in Nevada from 1996 to 2000.
- The median age at diagnosis of Colorectal Cancer was 70 years of age for Nevada residents from 1996 to 2000; the median age at time of death was 72 years.

CANCER SCREENING

- Of the 3,841 individuals in Nevada who were surveyed in 1997, 1999 and 2001, 51.9% responded no to ever having a blood stool test and/or a sigmoidoscopy or colonoscopy to try and detect early signs of Colorectal Cancer.
- Males had a lower percentage of respondents who said yes to ever having a blood stool test and/or a sigmoidoscopy or colonoscopy than females (49.3%) with a percentage of 46.9% when the questions were asked in 1997, 1999 and 2001.
- Each age group showed statistical significance over the next age group for those respondents who said that they had never had a blood stool test and/or a sigmoidoscopy or colonoscopy, with the 35 to 44 age group having the highest percentage at 85.1% (82.1%-88.1%); being followed by the 45 to 54, 55 to 64 and 65 and older age groups with percentages of 59.8% (57.0%-62.6%), 44.5% (41.3%-47.7%) and 34.6% (31.8%-37.4%), respectively, when these questions were included in the Behavioral Risk Factor Surveillance Survey.

INCIDENCE

- Nevada's Incidence rate for Colorectal Cancer (53.1) was only slightly lower than the National rate of 54.9 (per 100,000 – 2000 US Standard population) from 1996 to 2000.
- There were 4,345 cases of Colorectal Cancer reported in Nevada from 1996 to 2000. Regional comparisons of Colorectal Cancer incidence showed that Clark County had the highest age-adjusted incidence rate, 54.7, followed by Washoe County, 53.4, and the All Other Counties region, 46.5 (per 100,000 – 2000 US Standard population), during the 1996 to 2000 period.
- Males had a statistically significant higher age-adjusted cancer incidence rate for Colorectal Cancer 60.7 (58.1-63.5) than the female rate of 46.6 (44.5-48.7) during the

1996 to 2000 period.

- The Colorectal Cancer age-adjusted incidence rates for Blacks, 56.1 (48.5-65.0), and Whites, 56.1 (54.3-57.9), showed statistical significance over, and were nearly double, the rates for all other racial/ethnic groups from 1996 to 2000. They were followed by Asians, Native Americans and Hispanics with rates of 29.9 (23.5-39.2), 22.5 (13.0-37.4) and 21.7 (17.5-27.0), respectively.

INPATIENT HOSPITAL DISCHARGES

- There were 4,034 hospital inpatient discharges for a primary diagnosis of Colorectal Cancer to Nevada Residents from 1996 to 2000. Clark County had the highest cancer age-adjusted inpatient discharge rate, 52.2 (50.2-54.3), once regional comparisons were made. However, the rate was only statistically significant over the All Other Counties region who had the lowest age-adjusted discharge rate, 39.7 (36.4-43.3), during this same period.
- Total billed charges for Colorectal Cancer inpatient hospital discharges in Nevada totaled nearly 134.7 million dollars from 1996 to 2000. The overall average billed charge per day for a hospital inpatient discharge due to Colorectal Cancer was approximately \$3,900 in Nevada from 1996 to 2000.
- Washoe County had the highest median total billed amount (\$28,274) and average length of stay (8.9 days) during this time, once regional comparisons were made.

MORTALITY

- There were 1,792 resident deaths due to Colorectal Cancer in Nevada from 1996 to 2000. Males had a higher statistically significant age-adjusted mortality rate, 28.0 (26.1-30.0), than females who had a rate of 18.8 (17.5-20.2), per 100,000 – 2000 US Standard population, during this period.
- Blacks, as a racial/ethnic group, had the highest age-adjusted mortality rate for Colorectal Cancer of any racial/ethnic group, 30.0, and were followed by Whites, Asians, Native Americans, and Hispanics with rates of 23.7, 12.5, 12.0, and 11.3, (per 100,000 – 2000 US Standard population) respectively, from 1996 to 2000.

SURVIVAL RATE

- The one-year survival rate for Colorectal Cancer in Nevada was 72.6% during the 1996 to 2000 period, while the five-year survival rate was 33.3% during this same time. The median survival rate in Nevada was 2.64 years.
- Females in Nevada had a slightly higher one-year survival rate (73.6%) than males (71.6%) for Colorectal Cancer during the 1996 to 2000 period. This trend was similar for the median survival time with females and males at 2.81 and 2.54 years, respectively. However, males had a higher five-year survival rate (36.9%) for Colorectal Cancer than females who had a rate of 28.7% during this time.

- Hispanics had a considerably higher median survival time than other racial/ethnic groups with a period of 4.10 years, while Blacks and Whites had periods of 2.63 and 2.55 years, respectively.
- The five-year survival rate for those diagnosed at the localized stage for Colorectal Cancer was 69.2% for Nevada from 1996 to 2000, while those recorded at the regional, distant and unstaged stages had rates of 35.4%, 5.4% and 16.2%, respectively.
- While the median survival time for those diagnosed at the localized stage was over five years for Colorectal Cancer, those diagnosed at the regional, distant and unstaged levels had median survival times of 3.21, 0.84 and 0.97 years, respectively, for Nevada during the 1996 to 2000 period.

SCREENING (BRFSS)**Table 107. Colorectal Cancer Screening by County/Region of Residence, Gender, Education, Age Group, and Income, Nevada Residents, 1997, 1999 and 2001**

Responses	Answers						Total
	Yes			No			
	Number	Percent*	95% C.I.	Number	Percent*	95% C.I.	
Total							
Responses	1,828	48.1%	(46.5%-49.7%)	2,013	51.9%	(50.3%-53.5%)	3,841
County/Region of Residence							
Clark County	569	48.0%	(45.2%-50.8%)	662	52.0%	(49.2%-54.8%)	1,231
Washoe County	581	49.2%	(46.4%-52.0%)	612	50.8%	(48.0%-53.6%)	1,193
All Other Counties	678	47.7%	(45.1%-50.3%)	739	52.3%	(49.7%-54.9%)	1,417
Gender							
Male	881	46.9%	(44.6%-49.2%)	989	53.1%	(50.8%-55.4%)	1,870
Female	947	49.3%	(47.1%-51.5%)	1,024	50.7%	(48.5%-52.9%)	1,971
Education							
Less than High School	169	51.7%	(46.4%-57.0%)	170	48.3%	(43.0%-53.6%)	339
High School	483	41.9%	(39.0%-44.8%)	664	58.1%	(55.2%-61.0%)	1,147
Some Post High School	600	50.1%	(47.3%-52.9%)	659	49.9%	(47.1%-52.7%)	1,259
College Graduate	572	51.6%	(48.6%-54.6%)	513	48.4%	(45.4%-51.4%)	1,085
Age Group							
18-24 years old	0	---	---	0	---	---	0
25-34 years old	0	---	---	0	---	---	0
35-44 years old	89	14.9%	(11.9%-17.9%)	468	85.1%	(82.1%-88.1%)	557
45-54 years old	443	40.2%	(37.4%-43.0%)	740	59.8%	(57.0%-62.6%)	1,183
55-64 years old	529	55.5%	(52.3%-58.7%)	422	44.5%	(41.3%-47.7%)	951
65+ years old	762	65.4%	(62.6%-68.2%)	370	34.6%	(31.8%-37.4%)	1,132
Income							
Less than \$15,000	179	40.0%	(35.1%-44.9%)	201	60.0%	(55.1%-64.9%)	380
\$15,000 - \$24,999	172	50.6%	(45.3%-55.9%)	166	49.4%	(44.1%-54.7%)	338
\$25,000 - \$34,999	228	41.9%	(37.7%-46.1%)	297	58.1%	(53.9%-62.3%)	525
\$35,000 - \$49,999	317	46.4%	(42.7%-50.1%)	392	53.6%	(49.9%-57.3%)	709
\$50,000 or More	606	48.1%	(45.4%-50.8%)	664	51.9%	(49.2%-54.6%)	1,270

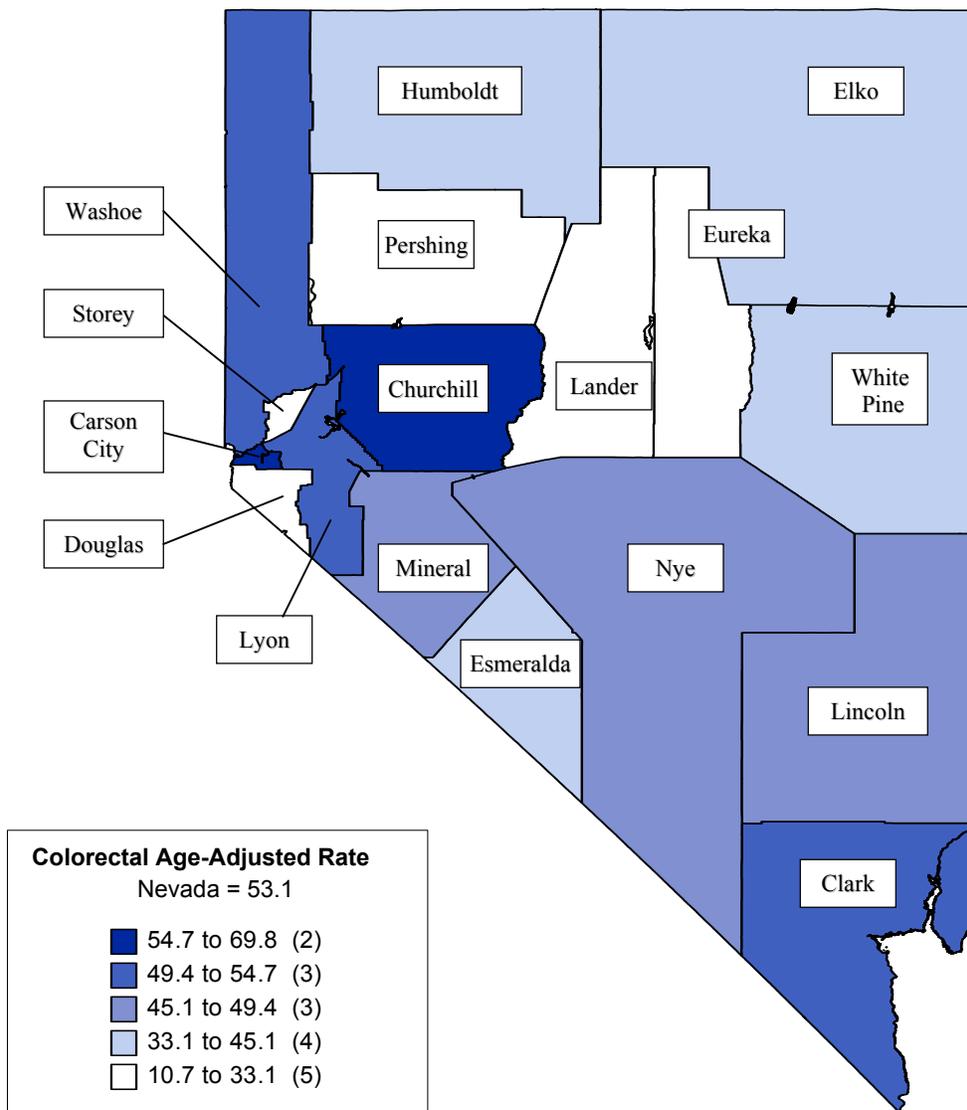
*Denominator is persons age 18-64 and excludes missing, don't know, and refused responses.

Note: This table includes those respondents who answered "Yes" or "No" to either of the following questions:

- 1) A blood stool test is a test that may use a special kit at home to determine whether the stool contains blood. Have you ever had this test using a home kit?
- 2) A sigmoidoscopy or colonoscopy is when a tube is inserted in the rectum to view the bowel for signs of cancer and other health problems. Have you ever had this exam?

INCIDENCE

Figure 76. Colorectal Cancer Age-Adjusted (2000) Incidence Rates, Nevada Residents, 1996-2000



Note: Rates are per 100,000 population and age-adjusted to 2000 US Standard population. Caution should be used when interpreting rates based upon small numbers. See Technical notes for more information.

Figure 77. Colorectal Cancer Age-Adjusted Incidence Rates by County/Region of Residence, Nevada Residents, 1996-2000

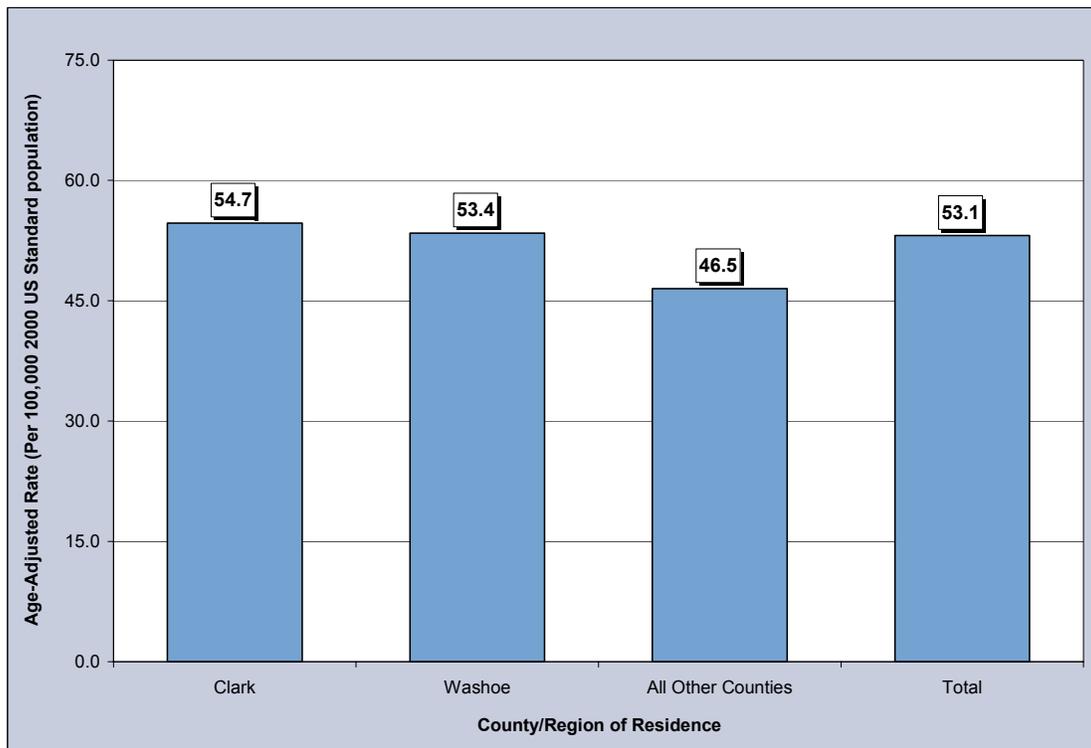


Figure 78. Colorectal Cancer Age-Adjusted Incidence Rates by Race/Ethnicity, Nevada Residents, 1996-2000

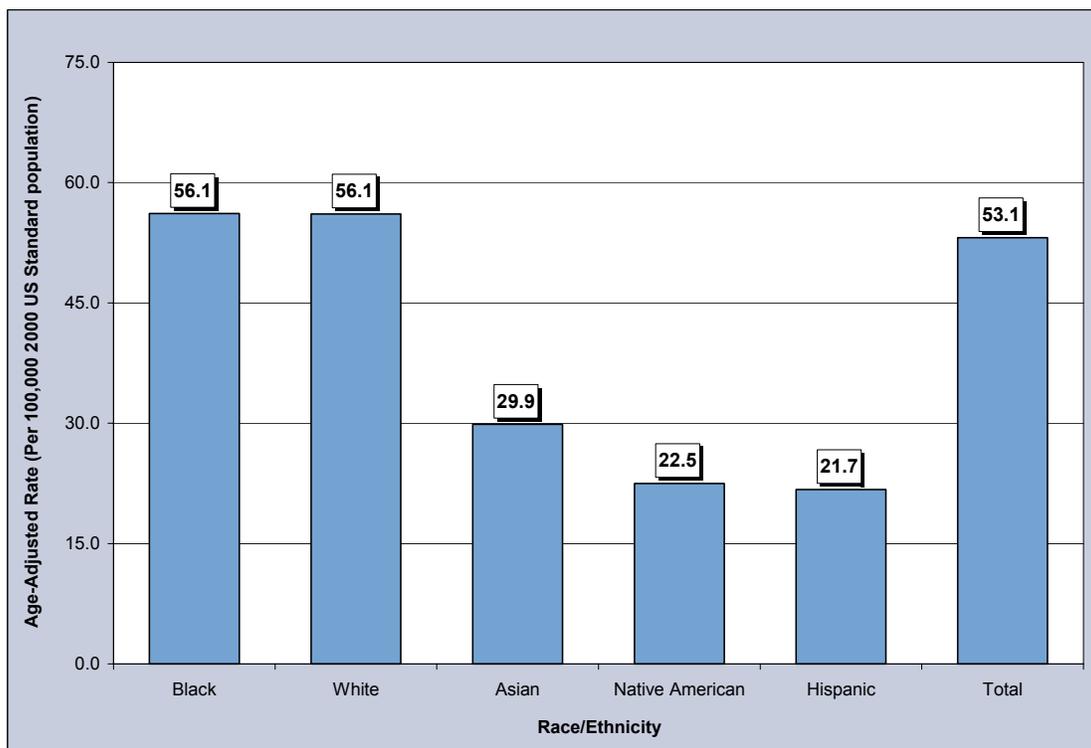


Table 108. Colorectal Cancer Cases by Gender, Race/Ethnicity and County/Region of Residence at Diagnosis, Nevada Residents (1996-2000) and SEER-11 (1995-1999)

Category	County/Region of Residence					SEER 11 (1995-1999)
	Nevada Total	Clark	Washoe	All Other Counties	Unknown	
Total						
Cases	4,345	2,965	746	634	0	91,312
Rate*	53.1	54.7	53.4	46.5	---	54.9
95% C.I.	(51.5-54.8)	(52.7-56.8)	(49.6-57.5)	(42.9-50.4)	---	(54.5-55.2)
Gender						
Male	2,343	1,579	429	335	0	45,698
Rate*	60.7	61.7	65.5	51.7	---	64.6
95% C.I.	(58.1-63.5)	(58.4-65.2)	(59.1-72.7)	(46.0-58.1)	---	(64.0-65.2)
Female	2,000	1,386	316	298	0	45,614
Rate*	46.6	48.7	42.5	42.0	---	47.6
95% C.I.	(44.5-48.7)	(46.2-51.4)	(37.9-47.5)	(37.3-47.1)	---	(47.1-48.0)
Other/Unknown	2	0	1	1	0	0
Race/Ethnicity						
White	3,853	2,548	699	606	0	74,892
Rate*	56.1	58.2	56.6	48.3	---	54.5
95% C.I.	(54.3-57.9)	(55.9-60.6)	(52.4-61.0)	(44.5-52.4)	---	(54.1-54.9)
Black	224	203	15	6	0	8,436
Rate*	56.1	55.0	63.5	---	---	62.7
95% C.I.	(48.5-65.0)	(47.1-64.3)	(34.9-109.7)	---	---	(61.3-64.1)
Native American	19	6	8	5	0	214
Rate*	22.5	---	---	---	---	19.3
95% C.I.	(13.0-37.4)	---	---	---	---	(16.7-16.7)
Asian	100	81	14	5	0	7,269
Rate*	29.9	30.9	24.1	---	---	48.3
95% C.I.	(23.5-39.2)	(23.5-42.3)	(12.2-58.3)	---	---	(47.2-49.5)
Hispanic	122	101	10	11	0	5,798
Rate*	21.7	23.3	13.5	23.1	---	35.8
95% C.I.	(17.5-27.0)	(18.3-29.8)	(6.1-31.1)	(10.8-45.4)	---	(34.8-36.8)
Other/Unknown	27	26	0	1	0	501

* Rates are per 100,000 population and age-adjusted to the 2000 US Standard population.

Note: The "----" is used for rates calculated on numbers less than ten and SEER numbers less than five. Caution should be used when comparing rates for racial/ethnic groups to the National (SEER) rates. See Technical Notes for more information.

Table 109. Colorectal Cancer Cases by Age Group and County/Region of Residence at Diagnosis, Nevada Residents (1996-2000) and SEER-11 (1995-1999)

Category	County/Region of Residence					SEER 11 (1995-1999)
	Nevada Total	Clark	Washoe	All Other Counties	Unknown	
Total						
Cases	4,345	2,965	746	634	0	91,312
Rate*	46.7	47.1	45.6	46.3	---	49.3
95% C.I.	(45.3-48.1)	(45.4-48.8)	(42.3-48.8)	(42.7-49.9)	---	(49.0-49.6)
Age Group						
<1	0	0	0	0	0	---
Rate*	---	---	---	---	---	---
95% C.I.	---	---	---	---	---	---
1-4	0	0	0	0	0	---
Rate*	---	---	---	---	---	---
95% C.I.	---	---	---	---	---	---
5-14	1	0	1	0	0	12
Rate*	---	---	---	---	---	0.0
95% C.I.	---	---	---	---	---	(0.0-0.1)
15-24	1	0	1	0	0	122
Rate*	---	---	---	---	---	0.5
95% C.I.	---	---	---	---	---	(0.4-0.6)
25-34	30	25	4	1	0	836
Rate*	2.1	2.5	---	---	---	2.9
95% C.I.	(1.3-2.8)	(1.5-3.4)	---	---	---	(2.7-3.0)
35-44	147	112	25	10	0	3,192
Rate*	9.8	11.3	9.0	4.4	---	10.2
95% C.I.	(8.2-11.4)	(9.2-13.4)	(5.5-12.5)	(1.7-7.2)	---	(9.9-10.6)
45-54	412	277	73	62	0	8,388
Rate*	34.1	35.0	32.5	32.2	---	36.7
95% C.I.	(30.8-37.4)	(30.9-39.1)	(25.0-40.0)	(24.2-40.3)	---	(35.9-37.4)
55-64	865	609	143	113	0	15,120
Rate*	100.5	104.7	101.1	81.9	---	108.0
95% C.I.	(93.8-107.2)	(96.4-113.1)	(84.5-117.7)	(66.8-97.0)	---	(106.3-109.7)
65-74	1,430	964	248	218	0	25,963
Rate*	230.7	232.5	245.9	208.6	---	225.0
95% C.I.	(218.7-242.6)	(217.9-247.2)	(215.3-276.5)	(180.9-236.3)	---	(222.3-227.8)
75-84	1,138	781	184	173	0	26,555
Rate*	347.2	361.2	334.4	306.3	---	365.3
95% C.I.	(327.0-367.4)	(335.8-386.5)	(286.1-382.7)	(260.7-352.0)	---	(360.9-369.7)
85+	320	196	67	57	0	11,123
Rate*	454.2	457.5	464.8	432.0	---	448.5
95% C.I.	(404.5-504.0)	(393.5-521.6)	(353.5-576.1)	(319.9-544.2)	---	(440.1-456.8)
Unknown	1	1	0	0	0	0

* Rates are per 100,000 age-specific population.

Note: The "----" is used for rates calculated on numbers less than ten and SEER numbers less than five. See Technical Notes for more information.

Table 110. Colorectal Cancer Cases by County of Residence at Diagnosis, Nevada Residents, 1996-2000

County of Residence at Diagnosis	1996-2000 Incidence				
	Cases	Rate*		Age-Adjusted Rate**	
		Rate	95% C.I.	Rate	95% C.I.
Carson City	157	64.1	(54.0-74.1)	55.9	(47.4-65.5)
Churchill	76	64.4	(49.9-78.9)	69.7	(54.8-87.9)
Clark	2,965	47.1	(45.4-48.8)	54.7	(52.7-56.8)
Douglas	76	38.0	(29.5-46.6)	33.1	(25.8-42.5)
Elko	47	20.5	(14.6-26.4)	45.1	(32.2-61.9)
Esmeralda	2	---	---	---	---
Eureka	1	---	---	---	---
Humboldt	19	22.6	(12.5-32.8)	36.4	(21.5-59.2)
Lander	7	---	---	---	---
Lincoln	12	58.9	(25.6-92.2)	47.9	(24.3-95.6)
Lyon	99	61.2	(49.1-73.2)	54.4	(44.0-67.1)
Mineral	17	61.8	(32.4-91.1)	48.1	(27.5-82.3)
Nye	96	64.7	(51.7-77.6)	49.4	(39.3-62.2)
Pershing	4	---	---	---	---
Storey	3	---	---	---	---
Washoe	746	45.6	(42.3-48.8)	53.4	(49.6-57.5)
White Pine	18	41.3	(22.2-60.3)	36.2	(21.4-59.1)
Unknown	0	---	---	---	---
Total	4,345	46.7	(45.3-48.1)	53.1	(51.5-54.8)

Note: The “---“ is used for rates calculated on numbers less than ten. *Rates are per 100,000 population. **Rates are per 100,000 population and are age-adjusted to the 2000 US Standard population.

Table 111. Colorectal Cancer Cases by Race/Ethnicity and Gender, Nevada Residents, 1996-2000

Race/Ethnicity	Gender				
	Male	Female	Other/Unknown	Total	
White	Incidence	2,082	1,769	2	3,853
	Rate*	63.7	49.3	---	56.1
	95% C.I.	(60.9-66.8)	(47.0-51.7)	---	(54.3-57.9)
Black	Incidence	123	101	0	224
	Rate*	67.6	47.3	---	56.1
	95% C.I.	(54.4-84.9)	(38.1-58.4)	---	(48.5-65.0)
Native American	Incidence	12	7	0	19
	Rate*	30.9	---	---	22.5
	95% C.I.	(13.8-67.7)	---	---	(13.0-37.4)
Asian	Incidence	50	50	0	100
	Rate*	37.1	24.4	---	29.9
	95% C.I.	(25.9-55.7)	(17.6-37.0)	---	(23.5-39.2)
Hispanic	Incidence	63	59	0	122
	Rate*	22.5	20.7	---	21.7
	95% C.I.	(16.4-32.1)	(15.2-27.9)	---	(17.5-27.0)
Other/Unknown	13	14	0	27	
Total	Incidence	2,343	2,000	2	4,345
	Rate*	60.7	46.6	---	53.1
	95% C.I.	(58.1-63.5)	(44.5-48.7)	---	(51.5-54.8)

Note: The “---“ is used for rates calculated on numbers less than ten. *Rates are per 100,000 population and are age-adjusted to the 2000 US Standard population.

Table 112. Colorectal Cancer Cases by Age Group and Gender, Nevada Residents, 1996-2000

Age Group	Gender			
	Male	Female	Other/ Unknown	Total
<1	0	0	0	0
Rate*	---	---	---	---
95% C.I.	---	---	---	---
1-4	0	0	0	0
Rate*	---	---	---	---
95% C.I.	---	---	---	---
5-14	0	1	0	1
Rate*	---	---	---	---
95% C.I.	---	---	---	---
15-24	0	1	0	1
Rate*	---	---	---	---
95% C.I.	---	---	---	---
25-34	12	18	0	30
Rate*	1.6	2.6	---	2.1
95% C.I.	(0.7-2.5)	(1.4-3.8)	---	(1.3-2.8)
35-44	69	78	0	147
Rate*	8.9	10.8	---	9.8
95% C.I.	(6.8-11.0)	(8.4-13.2)	---	(8.2-11.4)
45-54	231	181	0	412
Rate*	37.7	30.3	---	34.1
95% C.I.	(32.9-42.6)	(25.9-34.8)	---	(30.8-37.4)
55-64	519	346	0	865
Rate*	121.1	80.1	---	100.5
95% C.I.	(110.6-131.5)	(71.6-88.5)	---	(93.8-107.2)
65-74	812	617	1	1,430
Rate*	265.6	196.4	---	230.7
95% C.I.	(247.3-283.9)	(180.9-211.9)	---	(218.7-242.6)
75-84	580	558	0	1,138
Rate*	393.3	309.5	---	347.2
95% C.I.	(361.3-425.3)	(283.8-335.2)	---	(327.0-367.4)
85+	120	199	1	320
Rate*	529.3	416.5	---	454.2
95% C.I.	(434.6-624.0)	(358.6-474.4)	---	(404.5-504.0)
Unknown	0	1	0	1
Total	2,343	2,000	2	4,345
Rate*	49.5	43.7	---	46.7
95% C.I.	(47.5-51.5)	(41.8-45.7)	---	(45.3-48.1)

Note: The "—" is used for rates calculated on numbers less than ten.

* Rates are per 100,000 age-specific population.

Table 113. Colorectal Cancer Cases by Age Group and Stage, Nevada Residents, 1996-2000

Age Group		Stage					Total
		In situ	Localized	Regional	Distant	Unstaged	
<1	Number	0	0	0	0	0	0
	Percent	---	---	---	---	---	---
1-4	Number	0	0	0	0	0	0
	Percent	---	---	---	---	---	---
5-14	Number	0	0	1	0	0	1
	Percent	---	---	100.0%	---	---	100.0%
15-24	Number	0	0	0	1	0	1
	Percent	---	---	---	100.0%	---	100.0%
25-34	Number	0	10	13	2	5	30
	Percent	---	33.3%	43.3%	6.7%	16.7%	100.0%
35-44	Number	0	54	41	29	23	147
	Percent	---	36.7%	27.9%	19.7%	15.6%	100.0%
45-54	Number	0	116	157	93	46	412
	Percent	---	28.2%	38.1%	22.6%	11.2%	100.0%
55-64	Number	0	255	312	198	100	865
	Percent	---	29.5%	36.1%	22.9%	11.6%	100.0%
65-74	Number	0	442	544	268	176	1,430
	Percent	---	30.9%	38.0%	18.7%	12.3%	100.0%
75-84	Number	0	340	412	196	190	1,138
	Percent	---	29.9%	36.2%	17.2%	16.7%	100.0%
85+	Number	0	77	116	47	80	320
	Percent	---	24.1%	36.3%	14.7%	25.0%	100.0%
Unknown	Number	0	0	0	0	1	1
	Percent	---	---	---	---	100.0%	100.0%
Total	Number	0	1,294	1,596	834	621	4,345
	Percent	---	29.8%	36.7%	19.2%	14.3%	100.0%

Table 114. Colorectal Cancer Cases by Stage and Race/Ethnicity, Nevada Residents, 1996-2000

Stage		Race/Ethnicity						Total
		White	Black	Native American	Asian	Hispanic	Other/Unknown	
In situ	Number	0	0	0	0	0	0	0
	Percent	---	---	---	---	---	---	---
Localized	Number	1,163	57	2	20	37	15	1,294
	Percent	30.2%	25.4%	10.5%	20.0%	30.3%	55.6%	29.8%
Regional	Number	1,420	81	5	41	40	9	1,596
	Percent	36.9%	36.2%	26.3%	41.0%	32.8%	33.3%	36.7%
Distant	Number	719	52	5	23	34	1	834
	Percent	18.7%	23.2%	26.3%	23.0%	27.9%	3.7%	19.2%
Unstaged	Number	551	34	7	16	11	2	621
	Percent	14.3%	15.2%	36.8%	16.0%	9.0%	7.4%	14.3%
Total	Number	3,853	224	19	100	122	27	4,345
	Percent	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%

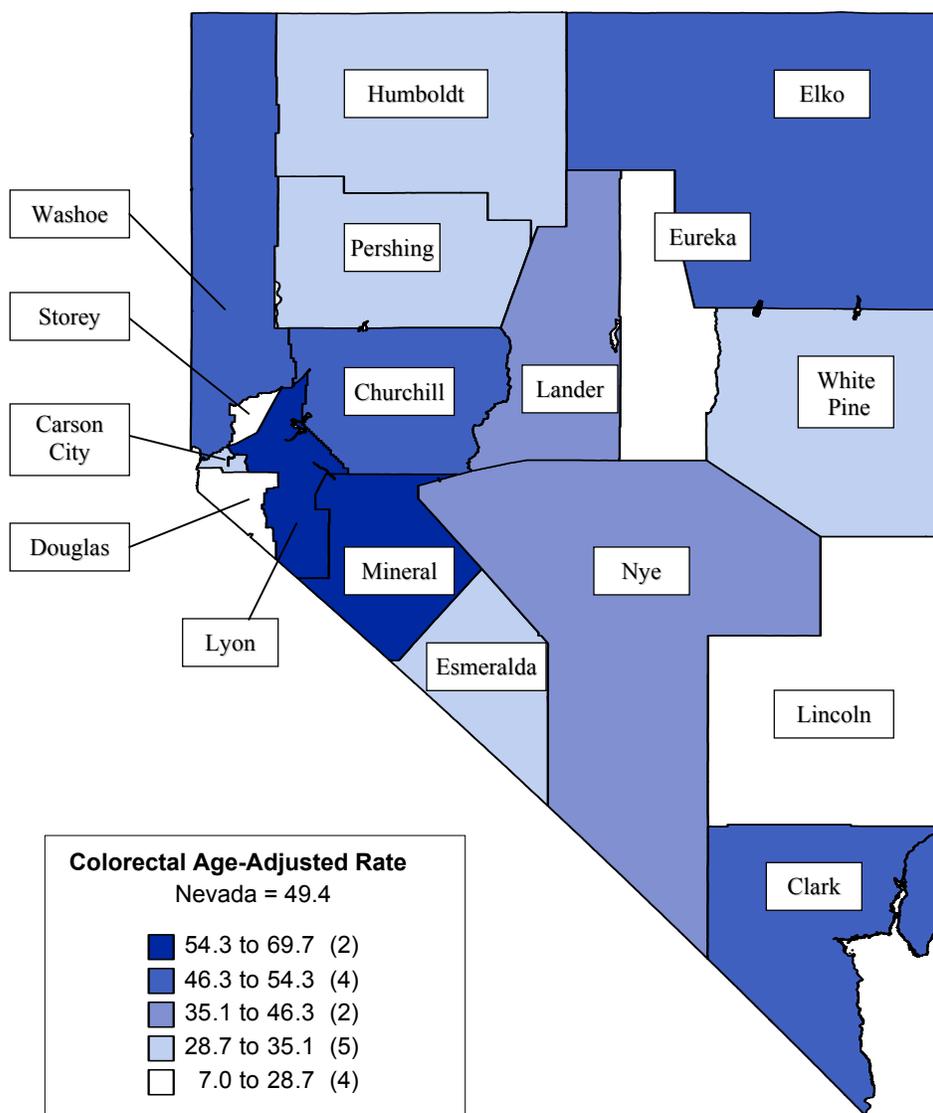
Table 115. Median Age at Diagnosis of Colorectal Cancer by Race/Ethnicity and Gender, Nevada Residents, 1996-2000

Race/Ethnicity	Gender					
	Male		Female		Total	
	Incidence	Median Age	Incidence	Median Age	Incidence	Median Age
White	2,082	69.0	1,768	72.0	3,850	70.0
Black	123	64.0	101	64.0	224	64.0
Native American	12	54.5	7	69.0	19	65.0
Asian	50	64.0	50	65.5	100	64.5
Hispanic	63	63.0	59	64.0	122	64.0
Other/Unknown	13	63.0	14	70.5	27	64.0
Total	2,343	68.0	1,999	71.0	4,342	70.0

Note: Those cases of other/unknown gender and/or unknown ages are not included in this table. The median age was not calculated for those numbers less than five.

INPATIENT HOSPITAL DISCHARGES

Figure 79. Colorectal Cancer Age-Adjusted (2000) Inpatient Discharge Rates, Nevada Residents, 1996-2000



Note: Rates are per 100,000 population and age-adjusted to 2000 US Standard population. Caution should be used when interpreting rates based upon small numbers and comparing inpatient hospital discharge rates to other data sources, because it is occurrence based data. See Technical notes for more information.

Figure 80. Colorectal Cancer Age-Adjusted Inpatient Discharge Rates by County/Region of Residence, Nevada Residents, 1996-2000

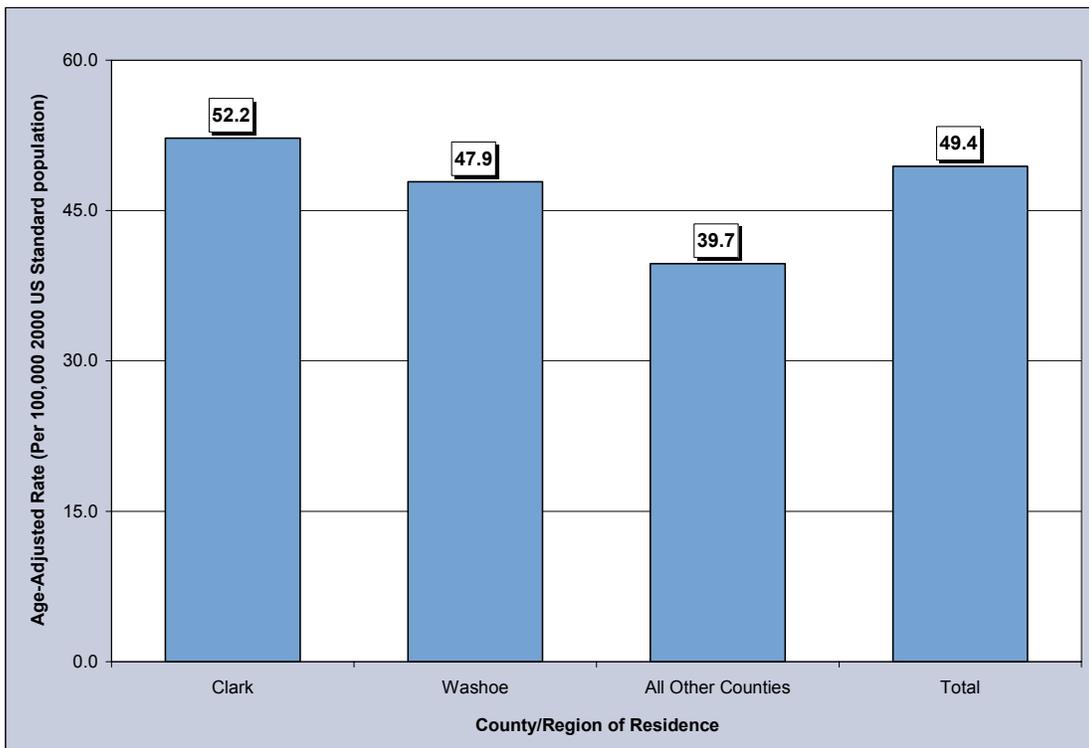


Figure 81. Median Charges for Colorectal Cancer Inpatient Discharges by County/Region of Residence, Nevada Residents, 1996-2000

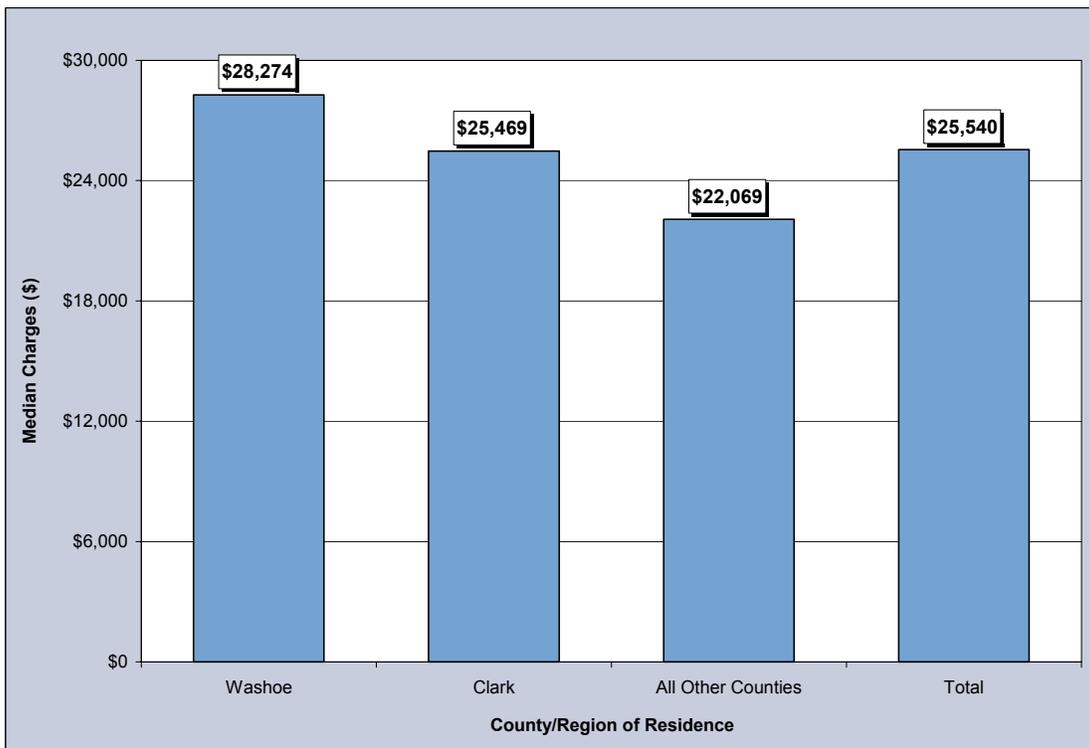


Figure 82. Average Length of Stay for Colorectal Cancer Inpatient Discharges by County/Region of Residence, Nevada Residents, 1996-2000

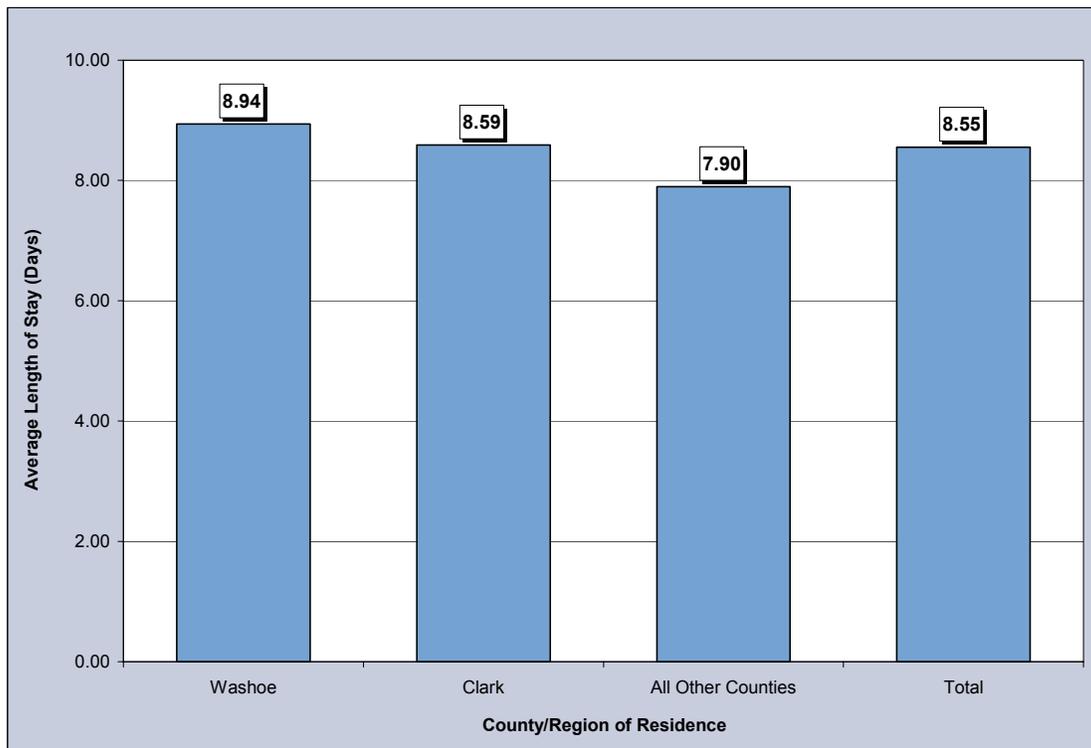


Table 116. Colorectal Cancer Inpatient Discharges by Gender, Charges, Length of Stay, and County/Region of Residence, Nevada Residents, 1996-2000

Category	County/Region of Residence				
	Nevada Total	Clark	Washoe	All Other Counties	Unknown
Total					
Discharges	4,034	2,832	661	541	0
Rate*	49.4	52.2	47.9	39.7	---
95% C.I.	(47.8-51.0)	(50.2-54.3)	(44.2-51.8)	(36.4-43.3)	---
Gender					
Male	2,095	1,483	332	280	0
Rate*	54.0	58.1	51.1	41.9	---
95% C.I.	(51.6-56.6)	(54.9-61.5)	(45.5-57.6)	(36.9-47.5)	---
Female	1,939	1,349	329	261	0
Rate*	45.2	47.3	44.3	37.1	---
95% C.I.	(43.2-47.3)	(44.8-50.0)	(39.7-49.4)	(32.7-42.0)	---
Other/Unknown	0	0	0	0	0
Inpatient Discharge Charges (\$)					
Total Charges	\$134,658,129	\$97,330,793	\$22,445,648	\$14,881,688	---
Average Charges	\$33,381	\$34,368	\$33,957	\$27,508	---
Median Charges	\$25,540	\$25,469	\$28,274	\$22,069	---
Discharge Length of Stay (LOS) (Days)					
Total LOS	34,507	24,326	5,908	4,273	---
Average LOS	8.6	8.6	8.9	7.9	---
Median LOS	7.0	7.0	8.0	6.0	---

* Rates are per 100,000 population and are age-adjusted to the 2000 US Standard population.

Note: The "---" is used for rates calculated on numbers less than ten. Caution should be used when comparing inpatient hospital discharge data to other data sources, since it is occurrence-based data. Please see Technical Notes for more information.

Table 117. Colorectal Cancer Inpatient Discharges by Age Group and County/Region of Residence, Nevada Residents, 1996-2000

Category	County/Region of Residence				
	Nevada Total	Clark	Washoe	All Other Counties	Unknown
Total					
Discharges	4,034	2,832	661	541	0
Rate*	43.4	45.0	40.4	39.5	---
95% C.I.	(42.0-44.7)	(43.3-46.6)	(37.3-43.4)	(36.2-42.8)	---
Age Group					
<1	0	0	0	0	0
Rate*	---	---	---	---	---
95% C.I.	---	---	---	---	---
1-4	0	0	0	0	0
Rate*	---	---	---	---	---
95% C.I.	---	---	---	---	---
5-14	0	0	0	0	0
Rate*	---	---	---	---	---
95% C.I.	---	---	---	---	---
15-24	2	2	0	0	0
Rate*	---	---	---	---	---
95% C.I.	---	---	---	---	---
25-34	29	23	1	5	0
Rate*	2.0	2.3	---	---	---
95% C.I.	(1.3-2.8)	(1.3-3.2)	---	---	---
35-44	117	93	18	6	0
Rate*	7.8	9.4	6.5	---	---
95% C.I.	(6.4-9.3)	(7.5-11.3)	(3.5-9.5)	---	---
45-54	356	250	58	48	0
Rate*	29.4	31.6	25.8	21.4	---
95% C.I.	(26.4-32.5)	(27.6-35.5)	(19.2-32.5)	(15.3-27.4)	---
55-64	807	599	120	88	0
Rate*	93.7	103.0	84.8	62.2	---
95% C.I.	(87.3-100.2)	(94.8-111.3)	(69.7-100.0)	(49.2-75.2)	---
65-74	1,320	897	235	188	0
Rate*	212.9	216.4	233.0	186.4	---
95% C.I.	(201.4-224.4)	(202.2-230.5)	(203.2-262.8)	(159.8-213.1)	---
75-84	1,112	791	159	162	0
Rate*	339.3	365.8	288.9	294.4	---
95% C.I.	(319.3-359.2)	(340.3-391.3)	(244.0-333.9)	(249.1-339.7)	---
85+	291	177	70	44	0
Rate*	413.1	413.2	485.6	305.2	---
95% C.I.	(365.6-460.5)	(352.3-474.0)	(371.8-599.3)	(215.0-395.4)	---
Unknown	0	0	0	0	0

* Rates are per 100,000 age-specific population.

Note: The "----" is used for rates calculated on numbers less than ten. Caution should be used when comparing inpatient hospital discharge data to other data sources, since it is occurrence-based data. Please see Technical Notes for more information.

Table 118. Colorectal Cancer Inpatient Discharges by Age Group and Gender, Nevada Residents, 1996-2000

Age Group	Gender		
	Male	Female	Total
<1	0	0	0
Rate*	---	---	---
95% C.I.	---	---	---
1-4	0	0	0
Rate*	---	---	---
95% C.I.	---	---	---
5-14	0	0	0
Rate*	---	---	---
95% C.I.	---	---	---
15-24	0	2	2
Rate*	---	---	---
95% C.I.	---	---	---
25-34	13	16	29
Rate*	1.7	2.3	2.0
95% C.I.	(0.8-2.7)	(1.2-3.5)	(1.3-2.8)
35-44	56	61	117
Rate*	7.3	8.4	7.8
95% C.I.	(5.4-9.2)	(6.3-10.6)	(6.4-9.3)
45-54	206	150	356
Rate*	33.6	25.1	29.4
95% C.I.	(29.0-38.2)	(21.1-29.2)	(26.4-32.5)
55-64	464	343	807
Rate*	108.2	79.4	93.7
95% C.I.	(98.4-118.1)	(71.0-87.8)	(87.3-100.2)
65-74	731	589	1,320
Rate*	239.1	187.5	212.9
95% C.I.	(221.8-256.4)	(172.3-202.6)	(201.4-224.4)
75-84	524	588	1,112
Rate*	355.3	326.1	339.3
95% C.I.	(324.9-385.7)	(299.8-352.5)	(319.3-359.2)
85+	101	190	291
Rate*	445.5	397.7	413.1
95% C.I.	(358.6-532.3)	(341.1-454.2)	(365.6-460.5)
Unknown	0	0	0
Total	2,095	1,939	4,034
Rate*	44.3	42.4	43.4
95% C.I.	(42.4-46.2)	(40.5-44.3)	(42.0-44.7)

* Rates are per 100,000 age-specific population.

Note: The "---" is used for rates calculated on numbers less than ten. Caution should be used when comparing inpatient hospital discharge data to other data sources, since it is occurrence-based data. Please see Technical Notes for more information.

Table 119. Colorectal Cancer Inpatient Discharges by County/Region of Residence, Nevada Residents, 1996-2000

County of Residence	1996-2000 Inpatient Hospital Discharges				
	Number	Rate*		Age-Adjusted Rate**	
		Rate	95% C.I.	Rate	95% C.I.
Carson City	82	33.5	(26.2-40.7)	28.7	(22.8-35.8)
Churchill	59	50.0	(37.2-62.8)	54.3	(41.2-70.6)
Clark	2,832	45.0	(43.3-46.6)	52.2	(50.2-54.3)
Douglas	61	30.5	(22.9-38.2)	27.1	(20.5-35.8)
Elko	45	19.6	(13.9-25.4)	46.3	(32.9-63.6)
Esmeralda	2	---	---	---	---
Eureka	2	---	---	---	---
Humboldt	17	20.3	(10.6-29.9)	30.7	(17.6-51.4)
Lander	11	34.3	(14.0-54.6)	36.9	(18.2-73.8)
Lincoln	2	---	---	---	---
Lyon	118	72.9	(59.8-86.1)	67.1	(55.2-81.2)
Mineral	25	90.8	(55.2-126.4)	69.7	(44.5-107.9)
Nye	89	60.0	(47.5-72.4)	43.9	(34.8-55.7)
Pershing	8	---	---	---	---
Storey	3	---	---	---	---
Washoe	661	40.4	(37.3-43.4)	47.9	(44.2-51.8)
White Pine	17	39.0	(20.4-57.5)	35.1	(20.4-58.1)
Unknown	0	---	---	---	---
Total	4,034	43.4	(42.0-44.7)	49.4	(47.8-51.0)

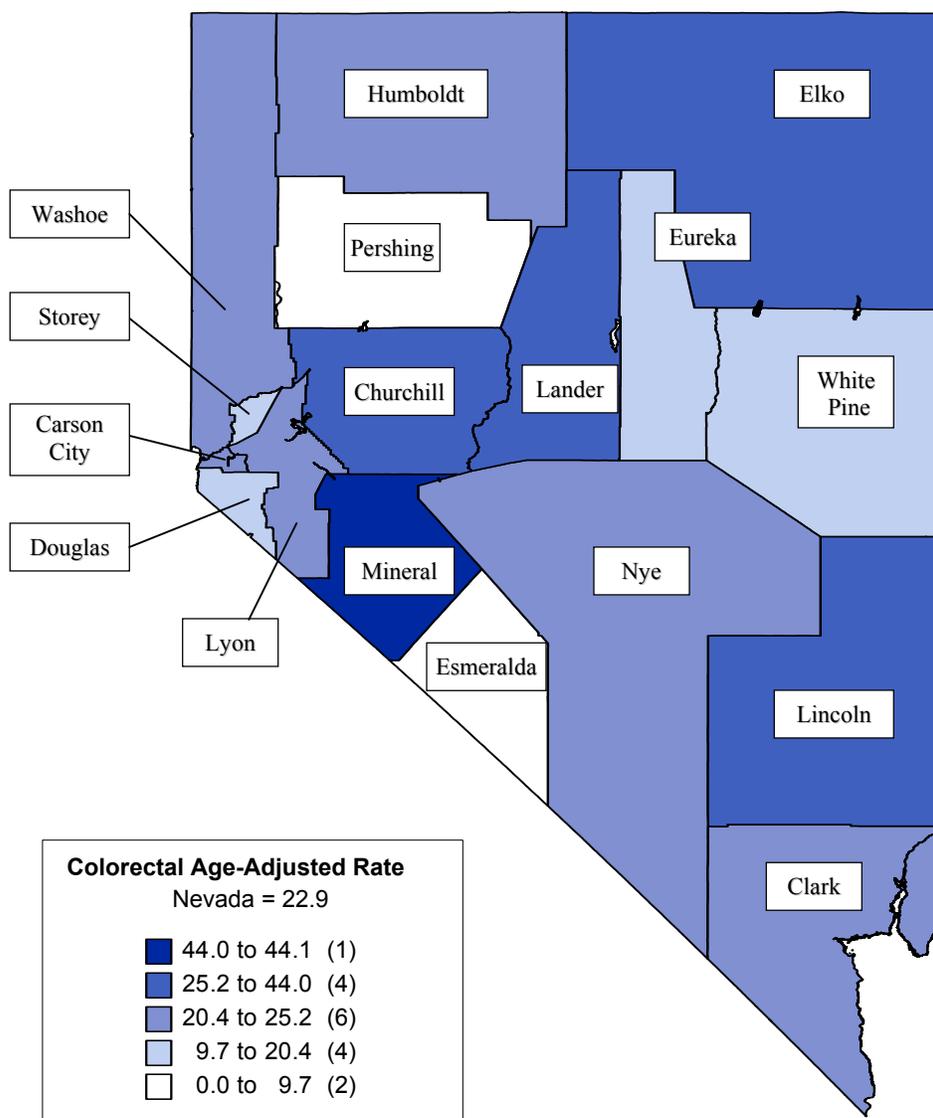
Note: The “---“ is used for rates calculated on numbers less than ten. *Rates are per 100,000 population. **Rates are per 100,000 population and are age-adjusted to the 2000 US Standard population.

Table 120. Colorectal Cancer Inpatient Discharges by Age Group, Charges and Length of Stay, Nevada Residents, 1996-2000

Age Group	Discharges	Charges (\$)			Length of Stay (Days)		
		Total	Average	Median	Total	Average	Median
<1	0	---	---	---	---	---	---
1-4	0	---	---	---	---	---	---
5-14	0	---	---	---	---	---	---
15-24	2	---	---	---	---	---	---
25-34	29	874,733	30,163	20,806	242	8.3	6.0
35-44	117	3,791,834	32,409	25,174	985	8.4	7.0
45-54	356	11,050,332	31,040	23,886	2,865	8.0	7.0
55-64	807	25,775,710	31,940	25,649	6,514	8.1	7.0
65-74	1,320	43,015,660	32,588	25,088	10,753	8.1	7.0
75-84	1,112	39,751,121	35,747	26,527	10,314	9.3	7.0
85+	291	10,183,528	34,995	27,007	2,798	9.6	8.0
Unknown	0	---	---	---	---	---	---
Total	4,034	134,658,129	33,381	25,540	34,507	8.6	7.0

MORTALITY

Figure 83. Colorectal Cancer Age-Adjusted (2000) Mortality Rates, Nevada Residents, 1996-2000



Note: Rates are per 100,000 population and age-adjusted to 2000 US Standard population. Caution should be used when interpreting rates based upon small numbers. See Technical notes for more information.

Figure 84. Colorectal Cancer Age-Adjusted Mortality Rates by County/Region of Residence, Nevada Residents, 1996-2000

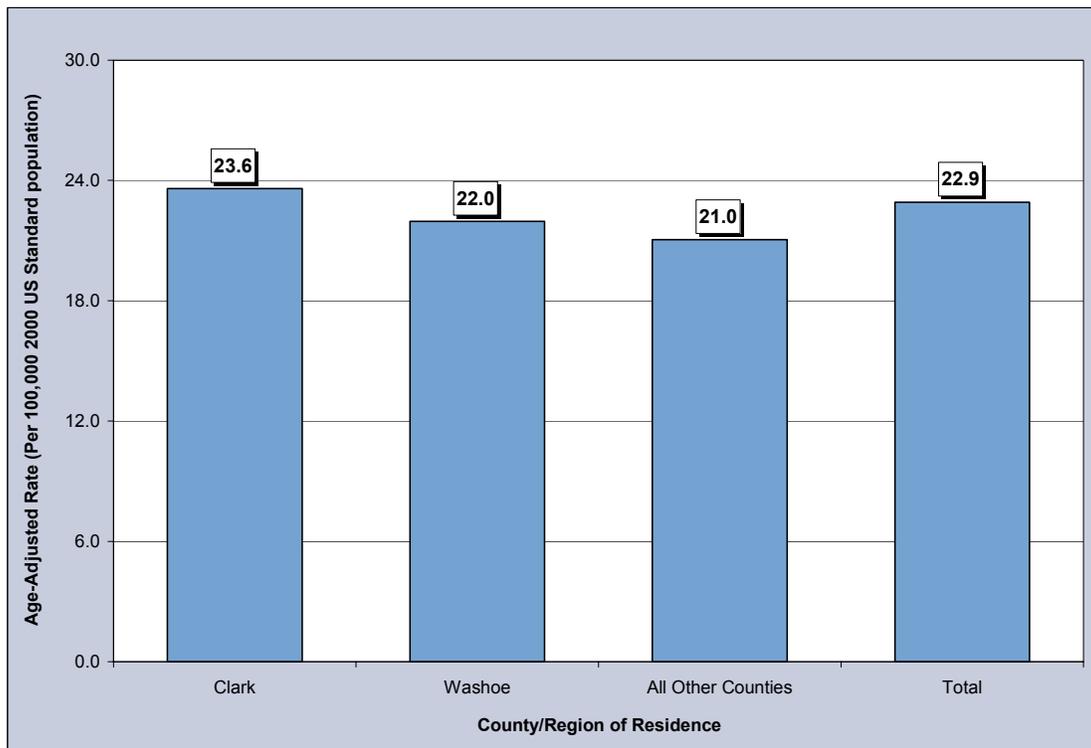


Figure 85. Colorectal Cancer Age-Adjusted Mortality Rates by Race/Ethnicity, Nevada Residents, 1996-2000

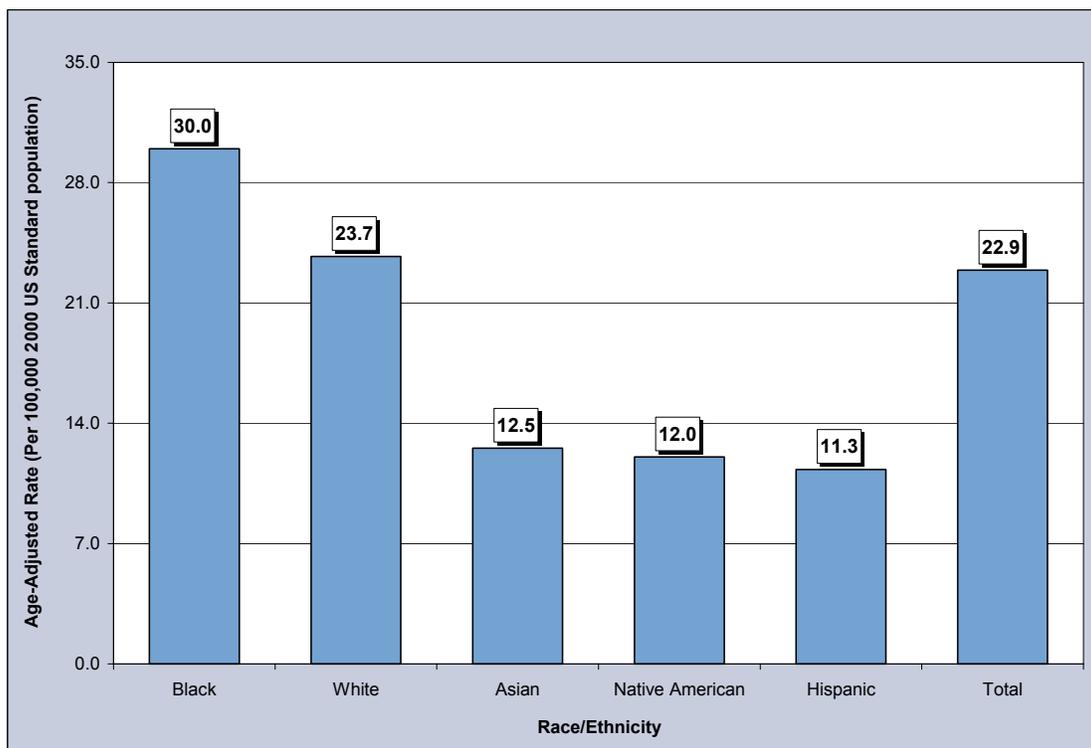


Table 121. Colorectal Cancer Mortality by Gender, Race/Ethnicity and County/Region of Residence, Nevada Residents, 1996-2000

Category	County/Region of Residence			
	Nevada Total	Clark	Washoe	All Other Counties
Total				
Mortality	1,792	1,223	294	275
Rate*	22.9	23.6	22.0	21.0
95% C.I.	(21.8-24.0)	(22.2-25.0)	(19.5-24.7)	(18.6-23.8)
Gender				
Male	1,011	692	177	142
Rate*	28.0	28.9	30.0	22.6
95% C.I.	(26.1-30.0)	(26.5-31.4)	(25.4-35.4)	(18.8-27.0)
Female	781	531	117	133
Rate*	18.8	19.3	16.0	19.4
95% C.I.	(17.5-20.2)	(17.7-21.1)	(13.2-19.2)	(16.2-23.1)
Other/Unknown	0	0	0	0
Race/Ethnicity				
White	1,572	1,038	274	260
Rate*	23.7	24.5	23.0	21.5
95% C.I.	(22.5-24.9)	(23.0-26.1)	(20.3-26.0)	(18.9-24.4)
Black	110	105	4	1
Rate*	30.0	31.2	---	---
95% C.I.	(24.1-37.1)	(24.9-38.9)	---	---
Native American	10	4	4	2
Rate*	12.0	---	---	---
95% C.I.	(5.4-24.4)	---	---	---
Asian	42	33	7	2
Rate*	12.5	12.3	---	---
95% C.I.	(8.8-19.6)	(8.3-21.0)	---	---
Hispanic	57	42	5	10
Rate*	11.3	10.8	---	18.5
95% C.I.	(8.3-15.5)	(7.4-15.8)	---	(8.2-38.5)
Other/Unknown	1	1	0	0

Note: The “---” is used for rates calculated on numbers less than ten.

*Rates are per 100,000 population and are age-adjusted to the 2000 US Standard population.

Table 122. Colorectal Cancer Mortality by Age Group and County/Region of Residence, Nevada Residents, 1996-2000

Category	County/Region of Residence			
	Nevada Total	Clark	Washoe	All Other Counties
Total				
Mortality	1,792	1,223	294	275
Rate*	19.3	19.4	18.0	20.1
95% C.I.	(18.4-20.2)	(18.3-20.5)	(15.9-20.0)	(17.7-22.4)
Age Group				
<1	0	0	0	0
Rate*	---	---	---	---
95% C.I.	---	---	---	---
1-4	0	0	0	0
Rate*	---	---	---	---
95% C.I.	---	---	---	---
5-14	0	0	0	0
Rate*	---	---	---	---
95% C.I.	---	---	---	---
15-24	1	0	1	0
Rate*	---	---	---	---
95% C.I.	---	---	---	---
25-34	8	7	0	1
Rate*	---	---	---	---
95% C.I.	---	---	---	---
35-44	43	31	10	2
Rate*	2.9	3.1	3.6	---
95% C.I.	(2.0-3.7)	(2.0-4.2)	(1.4-5.8)	---
45-54	117	85	18	14
Rate*	9.7	10.7	8.0	7.3
95% C.I.	(7.9-11.4)	(8.4-13.0)	(4.3-11.7)	(3.5-11.1)
55-64	308	216	49	43
Rate*	35.8	37.1	34.6	31.2
95% C.I.	(31.8-39.8)	(32.2-42.1)	(24.9-44.3)	(21.9-40.5)
65-74	579	401	96	82
Rate*	93.4	96.7	95.2	78.5
95% C.I.	(85.8-101.0)	(87.3-106.2)	(76.1-114.2)	(61.5-95.5)
75-84	533	360	76	97
Rate*	162.6	166.5	138.1	171.7
95% C.I.	(148.8-176.4)	(149.3-183.7)	(107.1-169.2)	(137.6-205.9)
85+	203	123	44	36
Rate*	288.1	287.1	305.2	272.9
95% C.I.	(248.5-327.8)	(236.4-337.9)	(215.0-395.4)	(183.7-362.0)
Unknown	0	0	0	0

Note: The "—" is used for rates calculated on numbers less than ten.

* Rates are per 100,000 age-specific population.

Table 123. Colorectal Cancer Mortality by County of Residence, Nevada Residents, 1996-2000

County of Residence	1996-2000 Mortality				
	Cases	Rate*		Age-Adjusted Rate**	
		Rate	95% C.I.	Rate	95% C.I.
Carson City	57	23.3	(17.2-29.3)	20.4	(15.4-26.7)
Churchill	29	24.6	(15.6-33.5)	27.0	(18.0-39.3)
Clark	1,223	19.4	(18.3-20.5)	23.6	(22.2-25.0)
Douglas	29	14.5	(9.2-19.8)	12.9	(8.5-19.6)
Elko	26	11.3	(7.0-15.7)	28.4	(18.0-42.8)
Esmeralda	0	---	---	---	---
Eureka	1	---	---	---	---
Humboldt	12	14.3	(6.2-22.4)	22.9	(11.5-42.4)
Lander	7	---	---	---	---
Lincoln	7	---	---	---	---
Lyon	42	26.0	(18.1-33.8)	24.2	(17.3-33.5)
Mineral	14	50.9	(24.2-77.5)	44.1	(23.7-78.6)
Nye	41	27.6	(19.2-36.1)	20.6	(14.5-29.7)
Pershing	1	---	---	---	---
Storey	1	---	---	---	---
Washoe	294	18.0	(15.9-20.0)	22.0	(19.5-24.7)
White Pine	8	---	---	---	---
Unknown	0	---	---	---	---
Total	1,792	19.3	(18.4-20.2)	22.9	(21.8-24.0)

Note: The “---“ is used for rates calculated on numbers less than ten. *Rates are per 100,000 population. **Rates are per 100,000 population and are age-adjusted to the 2000 US Standard population.

Table 124. Colorectal Cancer Mortality by Race/Ethnicity and Gender, Nevada Residents, 1996-2000

Race/Ethnicity	Gender			
	Male	Female	Total	
White	Mortality	876	696	1,572
	Rate*	28.5	19.8	23.7
	95% C.I.	(26.4-30.6)	(18.3-21.3)	(22.5-24.9)
Black	Mortality	69	41	110
	Rate*	43.4	20.1	30.0
	95% C.I.	(31.9-59.2)	(14.1-28.2)	(24.1-37.1)
Native American	Mortality	7	3	10
	Rate*	---	---	12.0
	95% C.I.	---	---	(5.4-24.4)
Asian	Mortality	23	19	42
	Rate*	16.9	9.2	12.5
	95% C.I.	(10.4-31.6)	(5.3-20.0)	(8.8-19.6)
Hispanic	Mortality	36	21	57
	Rate*	15.3	7.8	11.3
	95% C.I.	(10.2-23.9)	(4.6-13.0)	(8.3-15.5)
Other/Unknown	Mortality	0	1	1
	Rate*	---	---	---
	95% C.I.	---	---	---
Total	Mortality	1,011	781	1,792
	Rate*	28.0	18.8	22.9
	95% C.I.	(26.1-30.0)	(17.5-20.2)	(21.8-24.0)

Note: The “---“ is used for rates calculated on numbers less than ten. *Rates are per 100,000 population and are age-adjusted to the 2000 US Standard population.

Table 125. Colorectal Cancer Mortality by Age Group and Gender, Nevada Residents, 1996-2000

Age Group	Gender		
	Male	Female	Total
<1	0	0	0
Rate*	---	---	---
95% C.I.	---	---	---
1-4	0	0	0
Rate*	---	---	---
95% C.I.	---	---	---
5-14	0	0	0
Rate*	---	---	---
95% C.I.	---	---	---
15-24	0	1	1
Rate*	---	---	---
95% C.I.	---	---	---
25-34	2	6	8
Rate*	---	---	---
95% C.I.	---	---	---
35-44	23	20	43
Rate*	3.0	2.8	2.9
95% C.I.	(1.8-4.2)	(1.6-4.0)	(2.0-3.7)
45-54	67	50	117
Rate*	10.9	8.4	9.7
95% C.I.	(8.3-13.6)	(6.1-10.7)	(7.9-11.4)
55-64	198	110	308
Rate*	46.2	25.5	35.8
95% C.I.	(39.7-52.6)	(20.7-30.2)	(31.8-39.8)
65-74	361	218	579
Rate*	118.1	69.4	93.4
95% C.I.	(105.9-130.3)	(60.2-78.6)	(85.8-101.0)
75-84	276	257	533
Rate*	187.2	142.6	162.6
95% C.I.	(165.1-209.2)	(125.1-160.0)	(148.8-176.4)
85+	84	119	203
Rate*	370.5	249.1	288.1
95% C.I.	(291.3-449.7)	(204.3-293.8)	(248.5-327.8)
Unknown	0	0	0
Total	1,011	781	1,792
Rate*	21.4	17.1	19.3
95% C.I.	(20.1-22.7)	(15.9-18.3)	(18.4-20.2)

Note: The "—" is used for rates calculated on numbers less than ten.

* Rates are per 100,000 age-specific population.

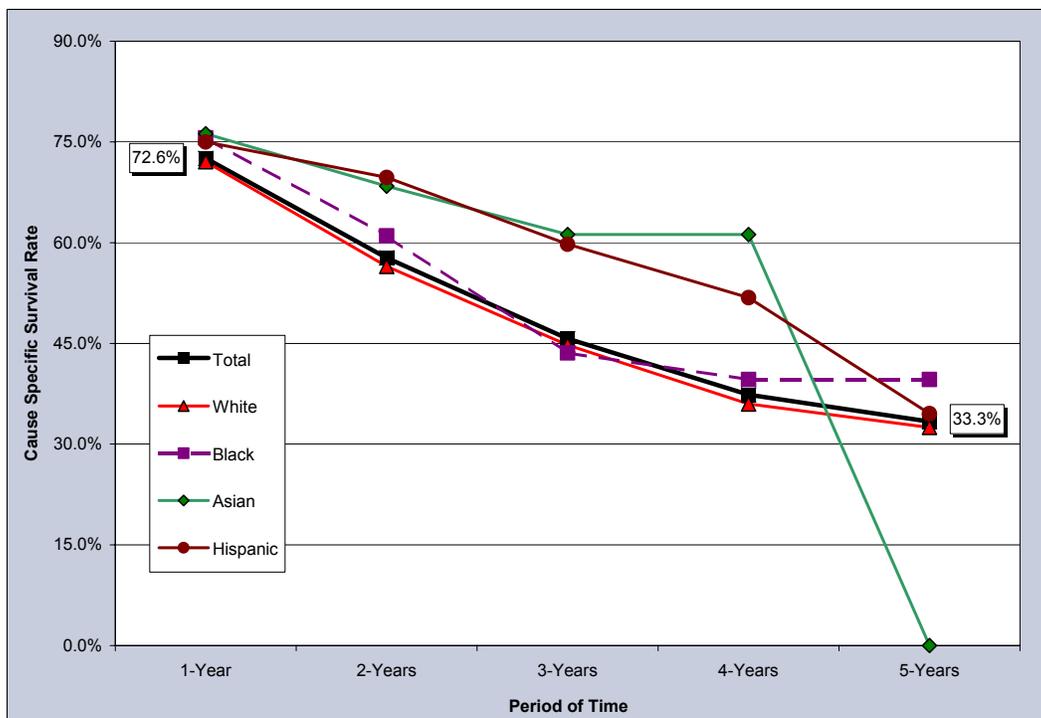
Table 126. Median Age at Death from Colorectal Cancer by Race/Ethnicity and Gender, Nevada Residents, 1996-2000

Race/Ethnicity	Gender					
	Male		Female		Total	
	Deaths	Median Age	Deaths	Median Age	Deaths	Median Age
White	876	71.0	696	75.0	1,572	72.0
Black	69	65.0	41	65.0	110	65.0
Native American	7	56.0	3	---	10	67.5
Asian	23	67.0	19	68.0	42	67.5
Hispanic	36	69.5	21	69.0	57	69.0
Other/Unknown	0	---	1	---	1	---
Total	1,011	71.0	781	74.0	1,792	72.0

Note: Those cases of other/unknown gender and/or unknown ages are not included in this table. The median age was not calculated for those numbers less than five.

SURVIVAL RATE

Figure 86. Survival Rates for Colorectal Cancer by Race/Ethnicity, Nevada Residents, 1996-2000



Notes: The survival rate for those racial/ethnic groups not included in this chart could not be calculated due to small cell size.

Figure 87. Survival Rates for Colorectal Cancer by Stage of Cancer at Diagnosis, Nevada Residents, 1996-2000

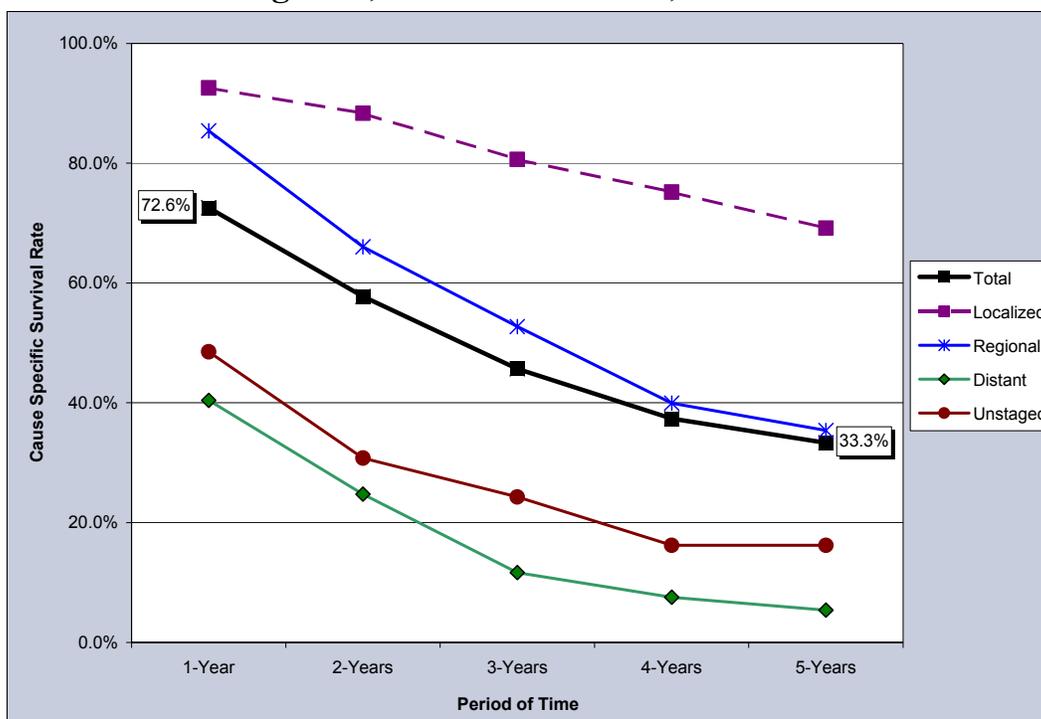


Table 127. Cause-Specific Survival Rates for Colorectal Cancer by Race/Ethnicity and Gender, Nevada Residents, 1996-2000

Race/ Ethnicity and Gender	Number of Cases	Cause Specific Survival Rate					Median Survival Time (years)
		One Year	Two Years	Three Years	Four Years	Five Years	
Total	2,864	72.6%	57.7%	45.7%	37.4%	33.3%	2.64
Male	1,509	71.6%	57.7%	43.5%	38.4%	36.9%	2.54
Female	1,353	73.6%	57.6%	48.2%	35.9%	28.7%	2.81
Race/Ethnicity							
White	2,532	72.1%	56.5%	44.7%	36.0%	32.5%	2.55
Male	1,340	71.5%	57.1%	43.1%	37.6%	37.6%	2.51
Female	1,190	72.6%	55.7%	46.5%	34.0%	26.9%	2.62
Black	151	75.6%	61.0%	43.6%	39.6%	39.6%	2.63
Male	78	70.3%	57.3%	38.2%	31.3%	31.3%	2.38
Female	73	81.4%	65.1%	49.3%	49.3%	49.3%	2.96
Native American	11	---	---	---	---	---	---
Male	9	---	---	---	---	---	---
Female	2	---	---	---	---	---	---
Asian	66	76.2%	68.4%	61.2%	61.2%	---	---
Male	33	---	---	---	---	---	---
Female	33	---	---	---	---	---	---
Hispanic	88	75.0%	69.7%	59.8%	51.8%	34.5%	4.10
Male	45	---	---	---	---	---	---
Female	43	---	---	---	---	---	---

Notes: 1) The “---” indicates that survival rate could not be calculated due to small cell size. Caution should be used when interpreting survival rates based upon categories with a small number of cases. 2) Those cases where the gender and/or race/ethnicity were other/unknown, are not shown separately, but are included in the category totals. 3) These rates may not be directly comparable to National rates because of different methodologies. Caution should be used when trying to compare rates for Nevada and the Nation. For more information on the calculation of survival rates, please refer to Technical Notes section.

Table 128. Cause-Specific Survival Rates for Colorectal Cancer by Stage of Cancer at Diagnosis and Gender, Nevada Residents, 1996-2000

Survival Rate of Stage at Diagnosis		Gender		
		Total	Male	Female
Total	Cases	2,864	1,509	1,353
	One Year	72.6%	71.6%	73.6%
	5 Years	33.3%	36.9%	28.7%
	Median Survival	2.64	2.54	2.81
Stage at Diagnosis				
In situ	Cases	0	0	0
	One Year	---	---	---
	5 Years	---	---	---
	Median Survival	---	---	---
Localized	Cases	871	463	406
	One Year	92.6%	91.9%	93.3%
	5 Years	69.2%	78.5%	57.9%
	Median Survival	>5 years	>5 years	>5 years
Regional	Cases	1,112	566	546
	One Year	85.4%	86.4%	84.3%
	5 Years	35.4%	42.8%	26.9%
	Median Survival	3.21	3.17	3.24
Distant	Cases	632	350	282
	One Year	40.4%	37.0%	44.7%
	5 Years	5.4%	4.6%	7.4%
	Median Survival	0.84	0.79	0.90
Unstaged	Cases	249	130	119
	One Year	48.5%	50.5%	46.5%
	5 Years	16.2%	0.0%	19.9%
	Median Survival	0.97	1.02	0.93

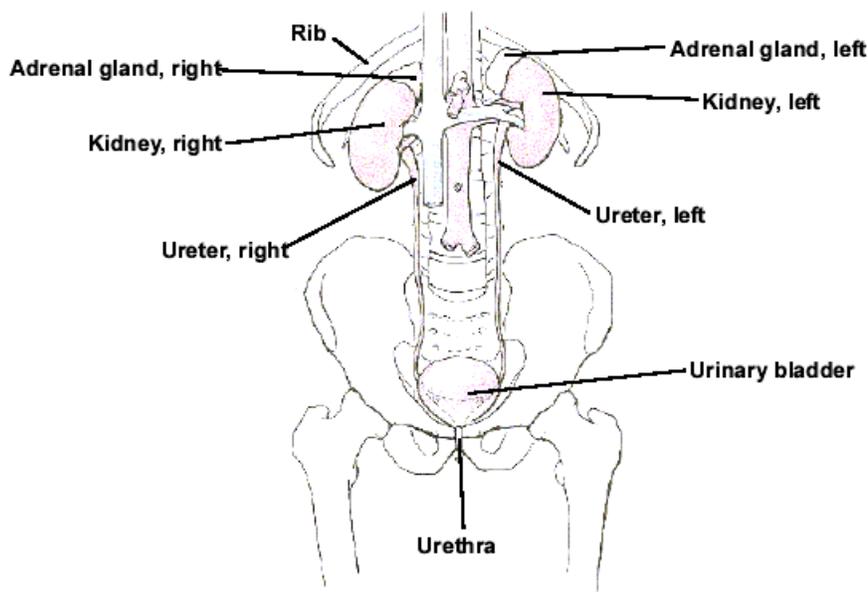
Notes: 1) The “---” indicates that survival rate could not be calculated due to small cell size. Caution should be used when interpreting survival rates based upon categories with a small number of cases. 2) These rates may not be directly comparable to National rates because of different methodologies. Caution should be used when trying to compare rates for Nevada and the Nation. For more information on the calculation of survival rates, please refer to Technical Notes section.

URINARY BLADDER CANCER

URINARY BLADDER CANCER

GENERAL PROFILE⁴

Figure 88. Anatomy of the Urinary System⁵



General Anatomy: The bladder is a hollow organ in the lower abdomen. It stores urine, the liquid waste produced by the kidneys. Urine passes from each kidney into the bladder through a tube called a ureter. An outer layer of muscle surrounds the inner lining of the bladder. When the bladder is full, the muscles in the bladder wall can tighten to allow urination. Urine leaves the bladder through another tube, the urethra.

Risk Factors: Age, tobacco use, occupation (due to amount of carcinogens in the workplace), infection, treatment with cyclophosphamide or arsenic, race, being a man, family history, and personal history with Bladder Cancer.

Signs and Symptoms: Blood in the urine (making the urine slightly rusty to deep red), pain during urination, and frequent urination, or feeling the need to urinate without results.

Diagnosing the Cancer: Physical exams, urine tests, intravenous pyelogram, and cystoscopy.

Treatment: Treatment options include: surgery (Transurethral resection, Radical cystectomy, and Segmental cystectomy), radiation therapy (internal or external), chemotherapy, and biological therapy.

HIGHLIGHTS

- Nevadan males had a considerably higher ratio than females when the incidence and mortality age-adjusted rates for Urinary Bladder Cancer were compared. Males had a ratio of 4.69 while the ratio for females was 3.81. This means that for every death due to Urinary Bladder Cancer there would be 4.69 male cases while only 3.81 cases for every female death.
- The median age at diagnosis of Urinary Bladder Cancer for Nevada residents and males was 70 years of age for Nevada Residents from 1996 to 2000 while the median age for females was 71 years. However, the median age at time of death due to Urinary Bladder Cancer was 74 years for Nevada overall, 75 years for females and 73 years of age for males.

INCIDENCE

- There were 1,866 cases of Urinary Bladder Cancer reported in Nevada from 1996 to 2000. Nevada's age-adjusted incidence rate (22.6) for Urinary Bladder Cancer was only slightly higher than the National rate of 20.0 (per 100,000 – 2000 US Standard population).
- While there was little regional variation between Washoe County (23.2), All Other Counties (22.7) and Clark County (22.5) in the age-adjusted incidence rate for Urinary Bladder Cancer, the rate for Males (37.3) was more than three times as the rate for Nevada Females (10.4, per 100,000 – 2000 US Standard population) for the 1996 to 2000 period.
- Similar to the National rates, Nevada Whites, as a racial/ethnic group, had an age-adjusted incidence rate (25.3, per 100,000 – 2000 US Standard population) nearly double the rates for all other racial/ethnic groups from 1996 to 2000.

INPATIENT HOSPITAL DISCHARGES

- Billed charges from Urinary Bladder Cancer inpatient hospital discharges accounted for over 30.4 million dollars from 1996 to 2000. Nevadans in the 65-74 and 75-84 age groups accounted for 66.8% of the total inpatient discharges and 65.0% of the total billed charges during this period. The overall daily billed amount for these discharges was over \$4,600 in Nevada during this period.
- There were 989 Inpatient Discharges for Urinary Bladder Cancer to Nevada residents in Nevada from 1996 to 2000. Clark County had the highest age-adjusted inpatient discharge rate, 13.4 (12.4-14.5), for Urinary Bladder Cancer in Nevada, and showed statistical significance over the Washoe County rate of 9.4 (7.8-11.2) who had the lowest age-adjusted inpatient discharge rate during the 1996 to 2000 period.

- The median total billed charges in Nevada for inpatient discharges due to Urinary Bladder Cancer was \$16,433 from 1996 to 2000. Washoe County had the highest median total billed charge, \$17,504, when compared to the billed amounts for Clark County and All Other Counties of \$16,389 and \$13,033.

MORTALITY

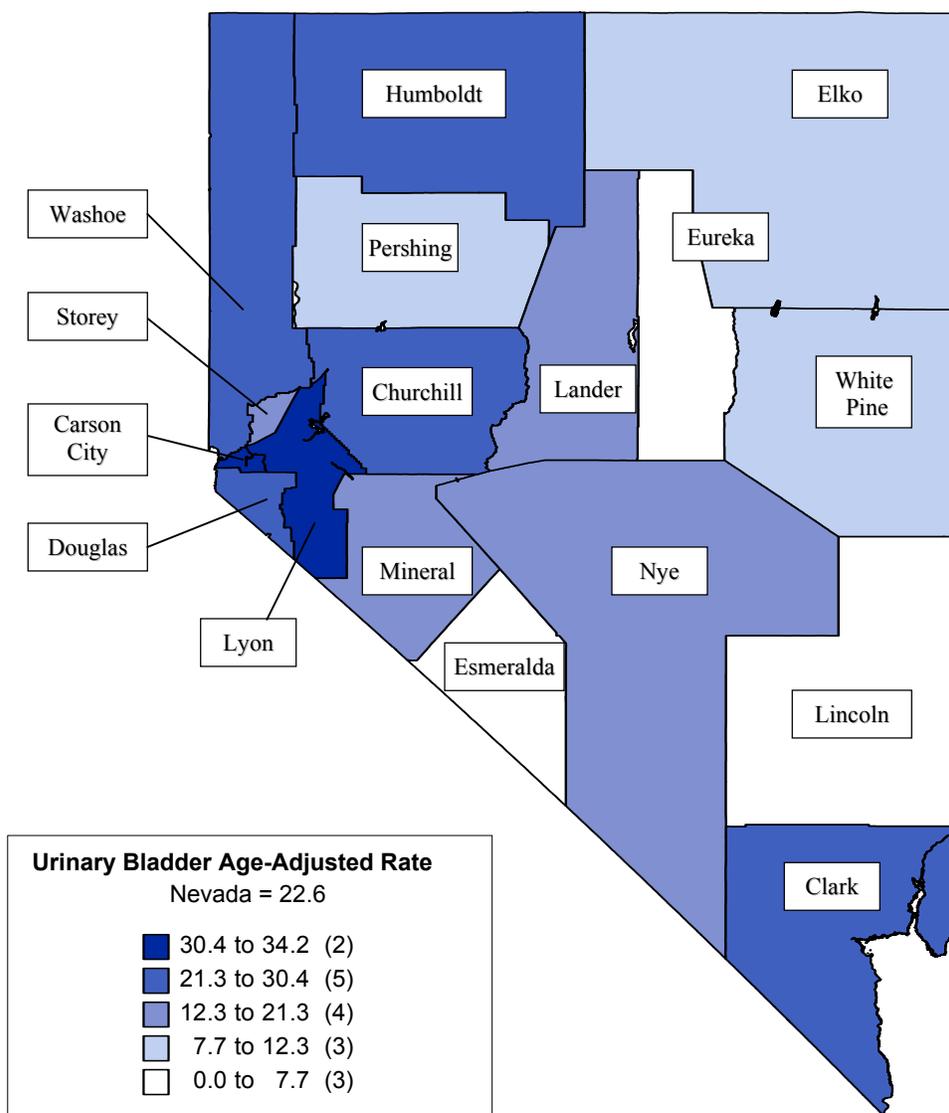
- There were 379 resident deaths due to Urinary Bladder Cancer from 1996 to 2000. Regional comparisons were fairly similar between Clark, Washoe, and All Other Counties, as a region, with rates of 5.3, 4.7 and 4.2 (per 100,000 – 2000 US Standard population), respectively.
- Nevadan males had a 34.4% higher statistically significant age-adjusted mortality rate, 8.0 (6.9-9.1), for Urinary Bladder Cancer when compared to the female rate of 2.7 (2.2-3.3) (per 100,000 – 2000 US Standard population) for the 1996 to 2000 period.

SURVIVAL RATE

- Nevada's one-year survival rate for males with Urinary Bladder Cancer was higher than the rate for females during the 1996 to 2000 period, with rates of 85.0% and 80.0%, respectively. This difference lessened by the five-year rate where males had a rate of 60.4% and females had a rate of 59.2%.
- The one-year survival rate for those diagnosed with Urinary Bladder Cancer at the in situ stage was 100.0%, with those at the localized stage at 88.7%, and those recorded at the regional, distant and unstaged stages had rates of 61.4%, 20.0% and 74.4%, respectively.
- The Median Survival time for those diagnosed at the in situ, localized and unstaged stages was over five years, while those diagnosed at the regional, distant and unstaged levels had median survival times of 1.65 and 0.63 years, respectively.

INCIDENCE

Figure 89. Urinary Bladder Cancer Age-Adjusted (2000) Incidence Rates, Nevada Residents, 1996-2000



Note: Rates are per 100,000 population and age-adjusted to 2000 US Standard population. Caution should be used when interpreting rates based upon small numbers. See Technical notes for more information.

Figure 90. Urinary Bladder Cancer Age-Adjusted Incidence Rates by County/Region of Residence, Nevada Residents, 1996-2000

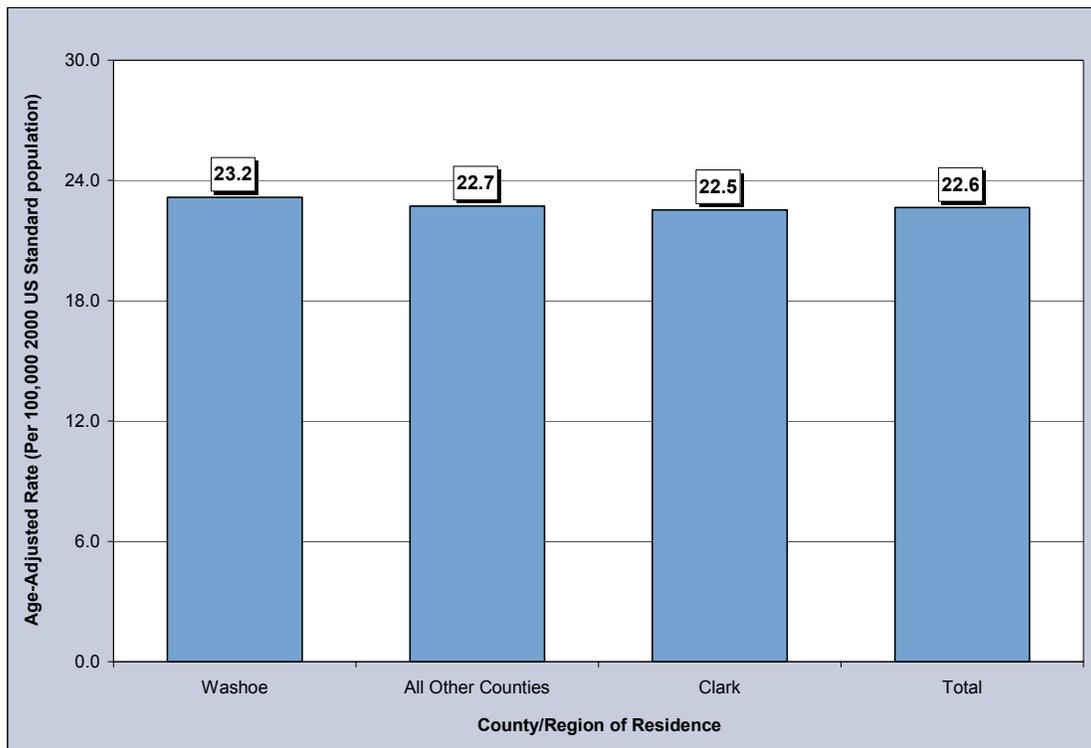


Figure 91. Urinary Bladder Cancer Age-Adjusted Incidence Rates by Race/Ethnicity, Nevada Residents, 1996-2000

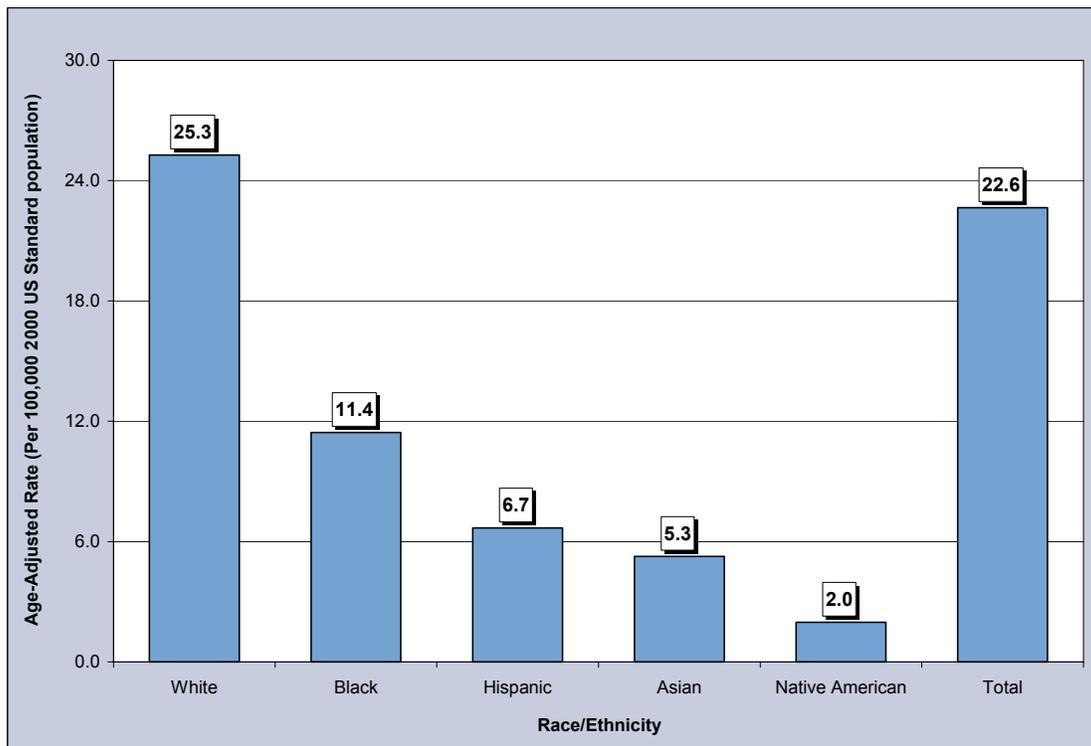


Table 129. Urinary Bladder Cancer Cases by Gender, Race/Ethnicity and County/Region of Residence at Diagnosis, Nevada Residents (1996-2000) and SEER-11 (1995-1999)

Category	County/Region of Residence					SEER 11 (1995-1999)
	Nevada Total	Clark	Washoe	All Other Counties	Unknown	
Total						
Cases	1,866	1,221	327	318	0	33,284
Rate*	22.6	22.5	23.2	22.7	---	20.0
95% C.I.	(21.6-23.7)	(21.2-23.9)	(20.7-25.9)	(20.2-25.5)	---	(19.8-20.2)
Gender						
Male	1,414	920	245	249	0	24,595
Rate*	37.3	36.9	38.6	37.9	---	35.2
95% C.I.	(35.3-39.6)	(34.3-39.7)	(33.6-44.3)	(33.1-43.4)	---	(34.7-35.6)
Female	452	301	82	69	0	8,689
Rate*	10.4	10.6	10.8	9.4	---	9.1
95% C.I.	(9.5-11.5)	(9.4-11.9)	(8.6-13.5)	(7.3-12.0)	---	(8.9-9.3)
Other/Unknown	0	0	0	0	0	0
Race/Ethnicity						
White	1,763	1,129	320	314	0	29,914
Rate*	25.3	25.5	25.6	24.4	---	21.8
95% C.I.	(24.1-26.5)	(24.0-27.1)	(22.8-28.6)	(21.7-27.3)	---	(21.5-22.0)
Black	35	34	0	1	0	1,598
Rate*	11.4	12.2	---	---	---	12.3
95% C.I.	(7.7-16.6)	(8.1-17.8)	---	---	---	(11.7-12.9)
Native American	2	0	2	0	0	32
Rate*	---	---	---	---	---	3.2
95% C.I.	---	---	---	---	---	(2.1-2.1)
Asian	13	9	4	0	0	1,438
Rate*	5.3	---	---	---	---	9.8
95% C.I.	(2.2-12.4)	---	---	---	---	(9.3-10.4)
Hispanic	41	37	1	3	0	1,372
Rate*	6.7	8.1	---	---	---	8.9
95% C.I.	(4.5-10.0)	(5.3-12.5)	---	---	---	(8.4-9.4)
Other/Unknown	12	12	0	0	0	302

* Rates are per 100,000 population and are age-adjusted to the 2000 US Standard population.

Note: The "----" is used for rates calculated on numbers less than ten and SEER numbers less than five. Caution should be used when comparing rates for racial/ethnic groups to the National (SEER) rates. See Technical Notes for more information.

Table 130. Urinary Bladder Cancer Cases by Age Group and County/Region of Residence at Diagnosis, Nevada Residents (1996-2000) and SEER-11 (1995-1999)

Category	County/Region of Residence					SEER 11 (1995-1999)
	Nevada Total	Clark	Washoe	All Other Counties	Unknown	
Total						
Cases	1,866	1,221	327	318	0	33,284
Rate*	20.1	19.4	20.0	23.2	---	18.0
95% C.I.	(19.1-21.0)	(18.3-20.5)	(17.8-22.1)	(20.7-25.8)	---	(17.8-18.2)
Age Group						
<1	1	0	1	0	0	---
Rate*	---	---	---	---	---	---
95% C.I.	---	---	---	---	---	---
1-4	1	1	0	0	0	---
Rate*	---	---	---	---	---	---
95% C.I.	---	---	---	---	---	---
5-14	0	0	0	0	0	---
Rate*	---	---	---	---	---	---
95% C.I.	---	---	---	---	---	---
15-24	3	3	0	0	0	47
Rate*	---	---	---	---	---	0.2
95% C.I.	---	---	---	---	---	(0.1-0.2)
25-34	8	5	3	0	0	190
Rate*	---	---	---	---	---	0.6
95% C.I.	---	---	---	---	---	(0.6-0.7)
35-44	44	24	11	9	0	858
Rate*	2.9	2.4	4.0	---	---	2.7
95% C.I.	(2.1-3.8)	(1.5-3.4)	(1.6-6.3)	---	---	(2.6-2.9)
45-54	148	101	29	18	0	2,648
Rate*	12.2	12.8	12.9	9.4	---	11.6
95% C.I.	(10.3-14.2)	(10.3-15.2)	(8.2-17.6)	(5.0-13.7)	---	(11.1-12.0)
55-64	367	237	62	68	0	5,531
Rate*	42.6	40.8	43.8	49.3	---	39.5
95% C.I.	(38.3-47.0)	(35.6-46.0)	(32.9-54.7)	(37.6-61.0)	---	(38.5-40.5)
65-74	663	426	116	121	0	10,517
Rate*	107.0	102.8	115.0	115.8	---	91.2
95% C.I.	(98.8-115.1)	(93.0-112.5)	(94.1-135.9)	(95.2-136.4)	---	(89.4-92.9)
75-84	514	349	83	82	0	9,988
Rate*	156.8	161.4	150.8	145.2	---	137.4
95% C.I.	(143.3-170.4)	(144.5-178.3)	(118.4-183.3)	(113.8-176.6)	---	(134.7-140.1)
85+	117	75	22	20	0	3,496
Rate*	166.1	175.1	152.6	151.6	---	141.0
95% C.I.	(136.0-196.2)	(135.4-214.7)	(88.8-216.4)	(85.1-218.0)	---	(136.3-145.6)
Unknown	0	0	0	0	0	0

* Rates are per 100,000 age-specific population.

Note: The “---” is used for rates calculated on numbers less than ten and SEER numbers less than five. See Technical Notes for more information.

Table 131. Urinary Bladder Cancer Cases by County of Residence at Diagnosis, Nevada Residents, 1996-2000

County of Residence at Diagnosis	1996-2000 Incidence				
	Cases	Rate*		Age-Adjusted Rate**	
		Rate	95% C.I.	Rate	95% C.I.
Carson City	89	36.3	(28.8-43.9)	30.5	(24.4-37.7)
Churchill	28	23.7	(14.9-32.5)	24.4	(16.2-35.9)
Clark	1,221	19.4	(18.3-20.5)	22.5	(21.2-23.9)
Douglas	59	29.5	(22.0-37.0)	25.9	(19.4-34.5)
Elko	11	4.8	(2.0-7.6)	7.7	(3.5-15.9)
Esmeralda	0	---	---	---	---
Eureka	0	---	---	---	---
Humboldt	13	15.5	(7.1-23.9)	21.4	(10.8-39.7)
Lander	3	---	---	---	---
Lincoln	1	---	---	---	---
Lyon	64	39.6	(29.9-49.2)	34.2	(26.1-44.4)
Mineral	7	---	---	---	---
Nye	35	23.6	(15.8-31.4)	18.1	(12.0-27.2)
Pershing	2	---	---	---	---
Storey	2	---	---	---	---
Washoe	327	20.0	(17.8-22.1)	23.2	(20.7-25.9)
White Pine	4	---	---	---	---
Unknown	0	---	---	---	---
Total	1,866	20.1	(19.1-21.0)	22.6	(21.6-23.7)

Note: The “---“ is used for rates calculated on numbers less than ten. *Rates are per 100,000 population. **Rates are per 100,000 population and are age-adjusted to the 2000 US Standard population.

Table 132. Urinary Bladder Cancer Cases by Race/Ethnicity and Gender, Nevada Residents, 1996-2000

Race/Ethnicity		Gender			
		Male	Female	Other/Unknown	Total
White	Incidence	1,325	438	0	1,763
	Rate*	40.8	12.1	---	25.3
	95% C.I.	(38.5-43.3)	(11.0-13.3)	---	(24.1-26.5)
Black	Incidence	31	4	0	35
	Rate*	24.8	---	---	11.4
	95% C.I.	(15.6-39.0)	---	---	(7.7-16.6)
Native American	Incidence	2	0	0	2
	Rate*	---	---	---	---
	95% C.I.	---	---	---	---
Asian	Incidence	9	4	0	13
	Rate*	---	---	---	5.3
	95% C.I.	---	---	---	(2.2-12.4)
Hispanic	Incidence	36	5	0	41
	Rate*	12.3	---	---	6.7
	95% C.I.	(7.7-20.7)	---	---	(4.5-10.0)
Other/Unknown		11	1	0	12
Total	Incidence	1,414	452	0	1,866
	Rate*	37.3	10.4	---	22.6
	95% C.I.	(35.3-39.6)	(9.5-11.5)	---	(21.6-23.7)

Note: The “---“ is used for rates calculated on numbers less than ten. *Rates are per 100,000 population and are age-adjusted to the 2000 US Standard population.

Table 133. Urinary Bladder Cancer Cases by Age Group and Gender, Nevada Residents, 1996-2000

Age Group	Gender			
	Male	Female	Other/ Unknown	Total
<1	1	0	0	1
Rate*	---	---	---	---
95% C.I.	---	---	---	---
1-4	1	0	0	1
Rate*	---	---	---	---
95% C.I.	---	---	---	---
5-14	0	0	0	0
Rate*	---	---	---	---
95% C.I.	---	---	---	---
15-24	1	2	0	3
Rate*	---	---	---	---
95% C.I.	---	---	---	---
25-34	5	3	0	8
Rate*	---	---	---	---
95% C.I.	---	---	---	---
35-44	31	13	0	44
Rate*	4.0	1.8	---	2.9
95% C.I.	(2.6-5.4)	(0.8-2.8)	---	(2.1-3.8)
45-54	111	37	0	148
Rate*	18.1	6.2	---	12.2
95% C.I.	(14.8-21.5)	(4.2-8.2)	---	(10.3-14.2)
55-64	289	78	0	367
Rate*	67.4	18.1	---	42.6
95% C.I.	(59.6-75.2)	(14.0-22.1)	---	(38.3-47.0)
65-74	512	151	0	663
Rate*	167.5	48.1	---	107.0
95% C.I.	(153.0-182.0)	(40.4-55.7)	---	(98.8-115.1)
75-84	382	132	0	514
Rate*	259.0	73.2	---	156.8
95% C.I.	(233.1-285.0)	(60.7-85.7)	---	(143.3-170.4)
85+	81	36	0	117
Rate*	357.2	75.4	---	166.1
95% C.I.	(279.4-435.0)	(50.7-100.0)	---	(136.0-196.2)
Unknown	0	0	0	0
Total	1,414	452	0	1,866
Rate*	29.9	9.9	---	20.1
95% C.I.	(28.3-31.5)	(9.0-10.8)	---	(19.1-21.0)

Note: The “---” is used for rates calculated on numbers less than ten.

* Rates are per 100,000 age-specific population.

Table 134. Urinary Bladder Cancer Cases by Age Group and Stage, Nevada Residents, 1996-2000

Age Group		Stage					Total
		In situ	Localized	Regional	Distant	Unstaged	
<1	Number	0	1	0	0	0	1
	Percent	---	100.0%	---	---	---	100.0%
1-4	Number	0	0	0	0	1	1
	Percent	---	---	---	---	100.0%	100.0%
5-14	Number	0	0	0	0	0	0
	Percent	---	---	---	---	---	---
15-24	Number	2	1	0	0	0	3
	Percent	66.7%	33.3%	---	---	---	100.0%
25-34	Number	2	4	0	1	1	8
	Percent	25.0%	50.0%	---	12.5%	12.5%	100.0%
35-44	Number	10	28	2	2	2	44
	Percent	22.7%	63.6%	4.5%	4.5%	4.5%	100.0%
45-54	Number	51	72	12	4	9	148
	Percent	34.5%	48.6%	8.1%	2.7%	6.1%	100.0%
55-64	Number	85	192	42	15	33	367
	Percent	23.2%	52.3%	11.4%	4.1%	9.0%	100.0%
65-74	Number	142	371	56	27	67	663
	Percent	21.4%	56.0%	8.4%	4.1%	10.1%	100.0%
75-84	Number	113	278	55	13	55	514
	Percent	22.0%	54.1%	10.7%	2.5%	10.7%	100.0%
85+	Number	17	60	10	4	26	117
	Percent	14.5%	51.3%	8.5%	3.4%	22.2%	100.0%
Unknown	Number	0	0	0	0	0	0
	Percent	---	---	---	---	---	---
Total	Number	422	1,007	177	66	194	1,866
	Percent	22.6%	54.0%	9.5%	3.5%	10.4%	100.0%

Table 135. Urinary Bladder Cancer Cases by Stage and Race/Ethnicity, Nevada Residents, 1996-2000

Stage		Race/Ethnicity						Total
		White	Black	Native American	Asian	Hispanic	Other/Unknown	
In situ	Number	381	7	0	6	20	8	422
	Percent	21.6%	20.0%	---	46.2%	48.8%	66.7%	22.6%
Localized	Number	974	12	1	3	13	4	1,007
	Percent	55.2%	34.3%	50.0%	23.1%	31.7%	33.3%	54.0%
Regional	Number	167	7	0	1	2	0	177
	Percent	9.5%	20.0%	---	7.7%	4.9%	---	9.5%
Distant	Number	61	3	0	0	2	0	66
	Percent	3.5%	8.6%	---	---	4.9%	---	3.5%
Unstaged	Number	180	6	1	3	4	0	194
	Percent	10.2%	17.1%	50.0%	23.1%	9.8%	---	10.4%
Total	Number	1,763	35	2	13	41	12	1,866
	Percent	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%

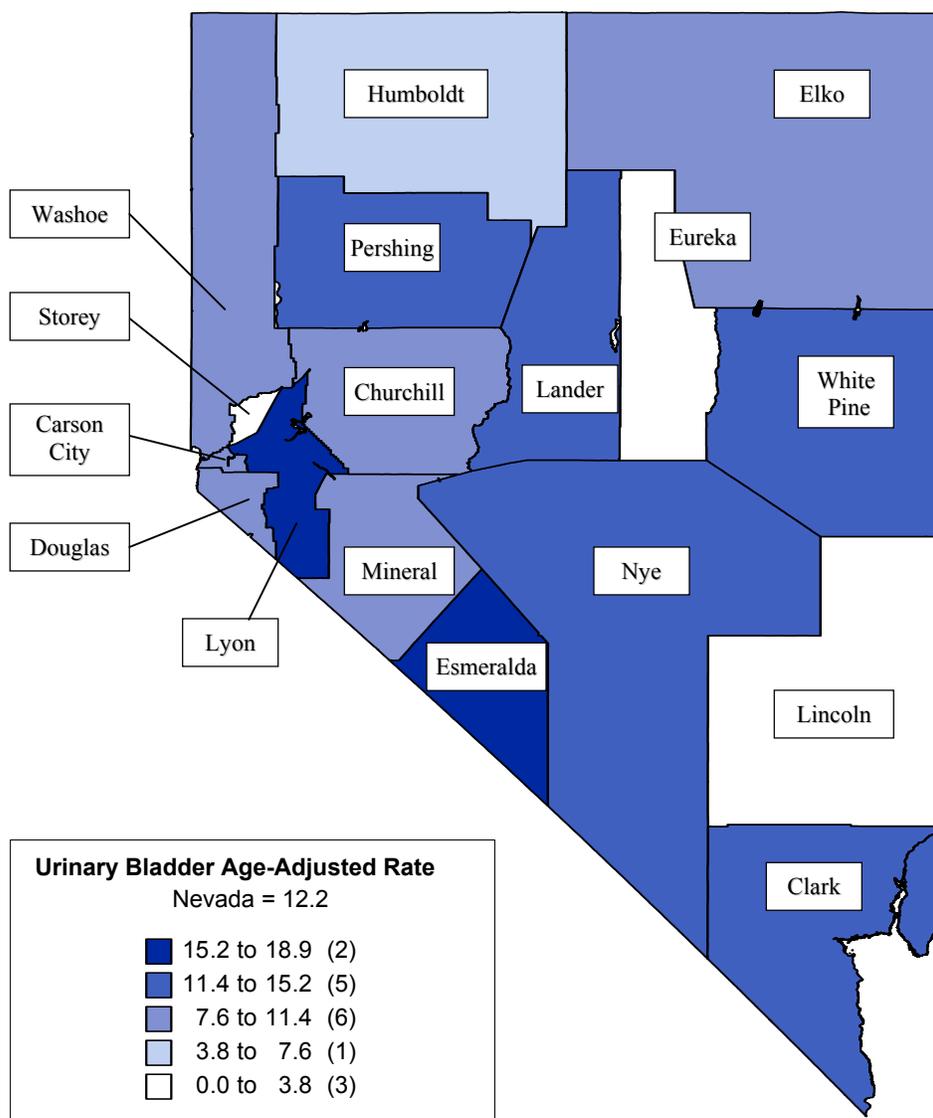
Table 136. Median Age at Diagnosis of Urinary Bladder Cancer by Race/Ethnicity and Gender, Nevada Residents, 1996-2000

Race/Ethnicity	Gender					
	Male		Female		Total	
	Incidence	Median Age	Incidence	Median Age	Incidence	Median Age
White	1,325	70.0	438	71.0	1,763	70.0
Black	31	75.0	4	---	35	75.0
Native American	2	---	0	---	2	---
Asian	9	71.0	4	---	13	71.0
Hispanic	36	59.0	5	70.0	41	61.0
Other/Unknown	11	67.0	1	---	12	67.5
Total	1,414	70.0	452	71.0	1,866	70.0

Note: Those cases of other/unknown gender and/or unknown ages are not included in this table. The median age was not calculated for those numbers less than five.

INPATIENT HOSPITAL DISCHARGES

Figure 92. Urinary Bladder Cancer Age-Adjusted (2000) Inpatient Discharge Rates, Nevada Residents, 1996-2000



Note: Rates are per 100,000 population and age-adjusted to 2000 US Standard population. Caution should be used when interpreting rates based upon small numbers and comparing inpatient hospital discharge rates to other data sources, because it is occurrence based data. See Technical notes for more information.

Figure 93. Urinary Bladder Cancer Age-Adjusted Inpatient Discharge Rates by County/Region of Residence, Nevada Residents, 1996-2000

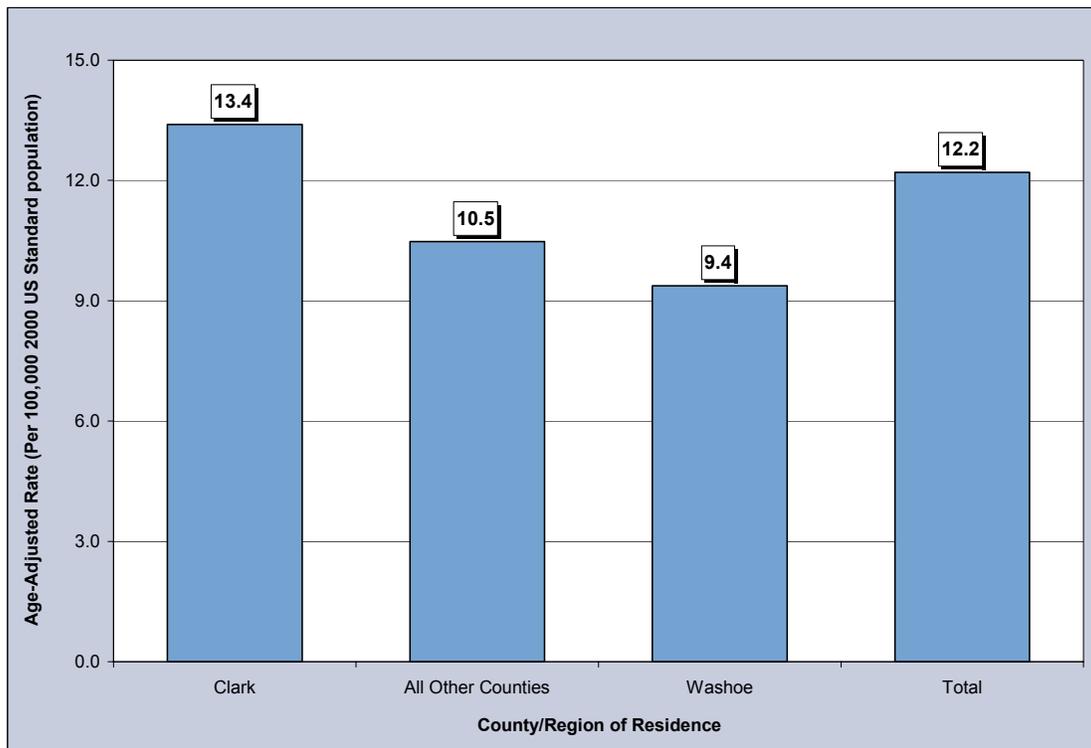


Figure 94. Median Charges for Urinary Bladder Cancer Inpatient Discharges by County/Region of Residence, Nevada Residents, 1996-2000

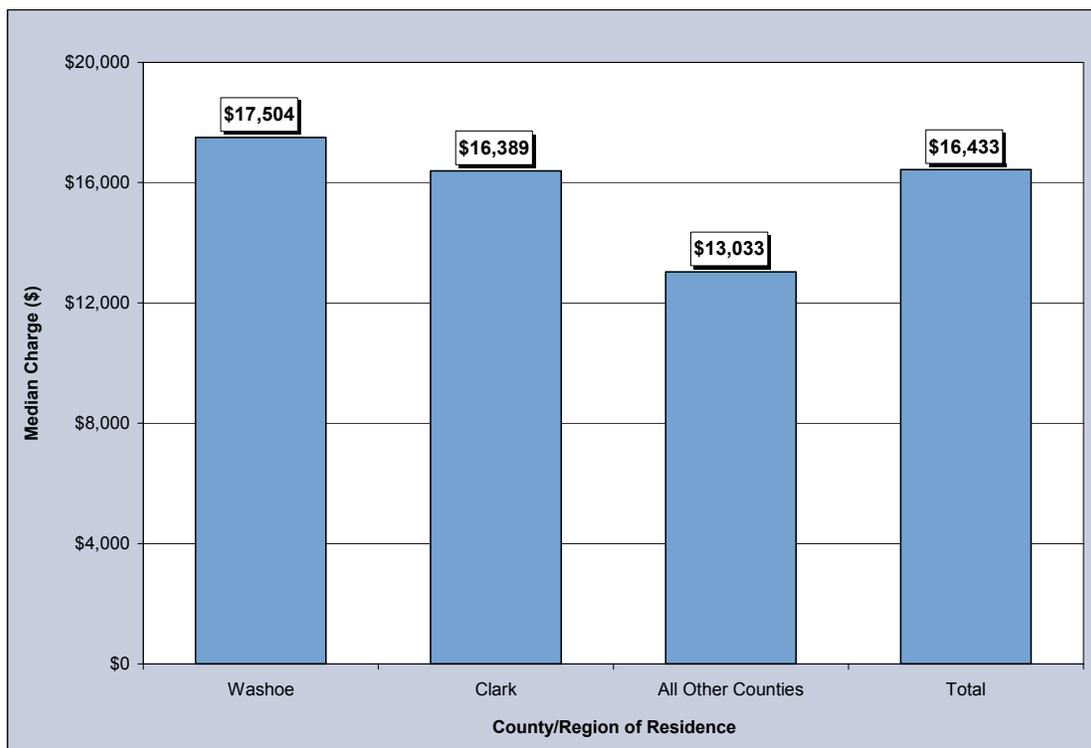


Figure 95. Average Length of Stay for Urinary Bladder Cancer Inpatient Discharges by County/Region of Residence, Nevada Residents, 1996-2000

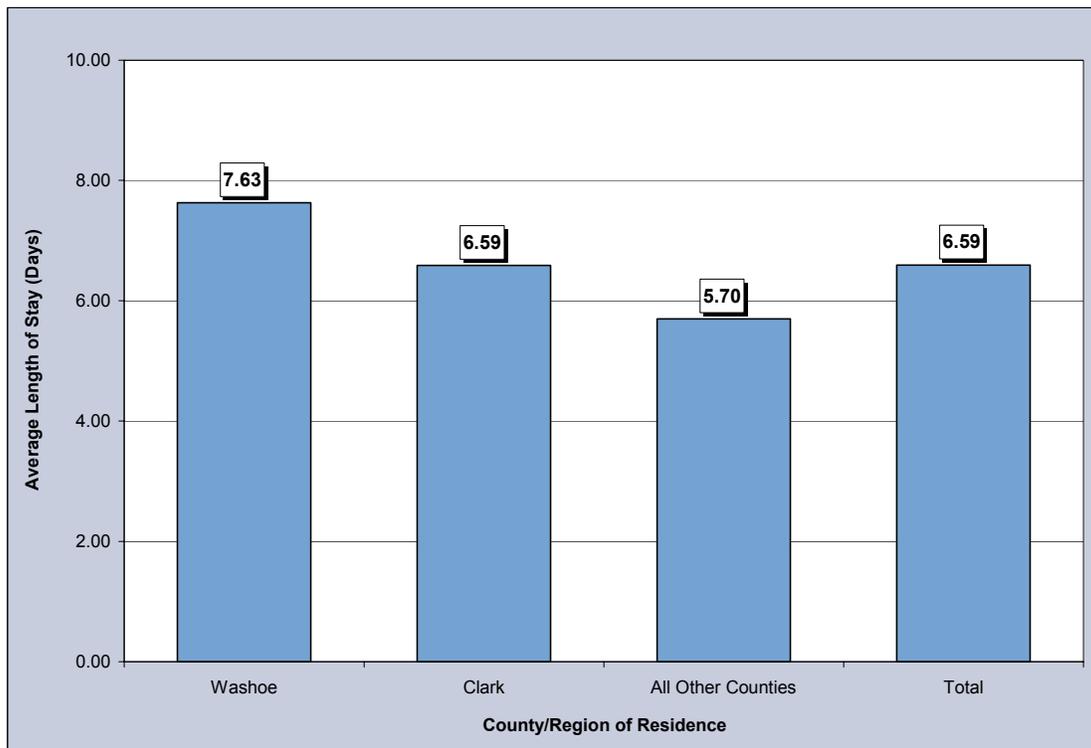


Table 137. Urinary Bladder Cancer Inpatient Discharges by Gender, Charges, Length of Stay, and County/Region of Residence, Nevada Residents, 1996-2000

Category	County/Region of Residence				
	Nevada Total	Clark	Washoe	All Other Counties	Unknown
Total					
Discharges	989	710	129	149	1
Rate*	12.2	13.4	9.4	10.5	---
95% C.I.	(11.4-13.0)	(12.4-14.5)	(7.8-11.2)	(8.8-12.4)	---
Gender					
Male	740	540	87	112	1
Rate*	20.0	22.5	14.0	16.9	---
95% C.I.	(18.5-21.7)	(20.4-24.8)	(11.1-17.7)	(13.7-20.7)	---
Female	249	170	42	37	0
Rate*	5.8	6.1	5.6	4.9	---
95% C.I.	(5.1-6.6)	(5.2-7.1)	(4.0-7.6)	(3.5-6.9)	---
Other/Unknown	0	0	0	0	0
Inpatient Discharge Charges (\$)					
Total Charges	\$30,402,813	\$22,213,274	\$4,536,433	\$3,617,905	\$35,201
Average Charges	\$30,741	\$31,286	\$35,166	\$24,281	\$35,201
Median Charges	\$16,433	\$16,389	\$17,504	\$13,033	\$35,201
Discharge Length of Stay (LOS) (Days)					
Total LOS	6,521	4,676	984	849	12
Average LOS	6.6	6.6	7.6	5.7	12.0
Median LOS	4.0	4.0	6.0	4.0	12.0

* Rates are per 100,000 population and are age-adjusted to the 2000 US Standard population.

Note: The "---" is used for rates calculated on numbers less than ten. Caution should be used when comparing inpatient hospital discharge data to other data sources, since it is occurrence-based data. Please see Technical Notes for more information.

Table 138. Urinary Bladder Cancer Inpatient Discharges by Age Group and County/Region of Residence, Nevada Residents, 1996-2000

Category	County/Region of Residence				
	Nevada Total	Clark	Washoe	All Other Counties	Unknown
Total					
Discharges	989	710	129	149	1
Rate*	10.6	11.3	7.9	10.9	---
95% C.I.	(10.0-11.3)	(10.4-12.1)	(6.5-9.2)	(9.1-12.6)	---
Age Group					
<1	0	0	0	0	0
Rate*	---	---	---	---	---
95% C.I.	---	---	---	---	---
1-4	2	2	0	0	0
Rate*	---	---	---	---	---
95% C.I.	---	---	---	---	---
5-14	0	0	0	0	0
Rate*	---	---	---	---	---
95% C.I.	---	---	---	---	---
15-24	0	0	0	0	0
Rate*	---	---	---	---	---
95% C.I.	---	---	---	---	---
25-34	2	2	0	0	0
Rate*	---	---	---	---	---
95% C.I.	---	---	---	---	---
35-44	13	9	2	2	0
Rate*	0.9	---	---	---	---
95% C.I.	(0.4-1.3)	---	---	---	---
45-54	59	46	9	4	0
Rate*	4.9	5.8	---	---	---
95% C.I.	(3.6-6.1)	(4.1-7.5)	---	---	---
55-64	182	131	26	25	0
Rate*	21.1	22.5	18.4	17.7	---
95% C.I.	(18.1-24.2)	(18.7-26.4)	(11.3-25.4)	(10.7-24.6)	---
65-74	352	238	42	72	0
Rate*	56.8	57.4	41.6	71.4	---
95% C.I.	(50.9-62.7)	(50.1-64.7)	(29.0-54.2)	(54.9-87.9)	---
75-84	309	230	39	39	1
Rate*	94.3	106.4	70.9	70.9	---
95% C.I.	(83.8-104.8)	(92.6-120.1)	(48.6-93.1)	(48.6-93.1)	---
85+	70	52	11	7	0
Rate*	99.4	121.4	76.3	---	---
95% C.I.	(76.1-122.6)	(88.4-154.4)	(31.2-121.4)	---	---
Unknown	0	0	0	0	0

* Rates are per 100,000 age-specific population.

Note: The “---” is used for rates calculated on numbers less than ten. Caution should be used when comparing inpatient hospital discharge data to other data sources, since it is occurrence-based data. Please see Technical Notes for more information.

Table 139. Urinary Bladder Cancer Inpatient Discharges by Age Group and Gender, Nevada Residents, 1996-2000

Age Group	Gender		
	Male	Female	Total
<1	0	0	0
Rate*	---	---	---
95% C.I.	---	---	---
1-4	2	0	2
Rate*	---	---	---
95% C.I.	---	---	---
5-14	0	0	0
Rate*	---	---	---
95% C.I.	---	---	---
15-24	0	0	0
Rate*	---	---	---
95% C.I.	---	---	---
25-34	2	0	2
Rate*	---	---	---
95% C.I.	---	---	---
35-44	10	3	13
Rate*	1.3	---	0.9
95% C.I.	(0.5-2.1)	---	(0.4-1.3)
45-54	36	23	59
Rate*	5.9	3.9	4.9
95% C.I.	(4.0-7.8)	(2.3-5.4)	(3.6-6.1)
55-64	150	32	182
Rate*	35.0	7.4	21.1
95% C.I.	(29.4-40.6)	(4.8-10.0)	(18.1-24.2)
65-74	267	85	352
Rate*	87.3	27.1	56.8
95% C.I.	(76.9-97.8)	(21.3-32.8)	(50.9-62.7)
75-84	225	84	309
Rate*	152.6	46.6	94.3
95% C.I.	(132.6-172.5)	(36.6-56.6)	(83.8-104.8)
85+	48	22	70
Rate*	211.7	46.0	99.4
95% C.I.	(151.8-271.6)	(26.8-65.3)	(76.1-122.6)
Unknown	0	0	0
Total	740	249	989
Rate*	15.6	5.4	10.6
95% C.I.	(14.5-16.8)	(4.8-6.1)	(10.0-11.3)

* Rates are per 100,000 age-specific population.

Note: The "—" is used for rates calculated on numbers less than ten. Caution should be used when comparing inpatient hospital discharge data to other data sources, since it is occurrence-based data. Please see Technical Notes for more information.

Table 140. Urinary Bladder Cancer Inpatient Discharges by County/Region of Residence, Nevada Residents, 1996-2000

County of Residence	1996-2000 Inpatient Hospital Discharges				
	Number	Rate*		Age-Adjusted Rate**	
		Rate	95% C.I.	Rate	95% C.I.
Carson City	25	10.2	(6.2-14.2)	8.2	(5.3-12.3)
Churchill	9	---	---	---	---
Clark	710	11.3	(10.4-12.1)	13.4	(12.4-14.5)
Douglas	20	10.0	(5.6-14.4)	7.9	(4.8-13.1)
Elko	9	---	---	---	---
Esmeralda	1	---	---	---	---
Eureka	0	---	---	---	---
Humboldt	4	---	---	---	---
Lander	2	---	---	---	---
Lincoln	1	---	---	---	---
Lyon	38	23.5	(16.0-31.0)	18.8	(13.3-26.5)
Mineral	4	---	---	---	---
Nye	26	17.5	(10.8-24.2)	13.5	(8.2-22.0)
Pershing	3	---	---	---	---
Storey	0	---	---	---	---
Washoe	129	7.9	(6.5-9.2)	9.4	(7.8-11.2)
White Pine	7	---	---	---	---
Unknown	1	---	---	---	---
Total	989	10.6	(10.0-11.3)	12.2	(11.4-13.0)

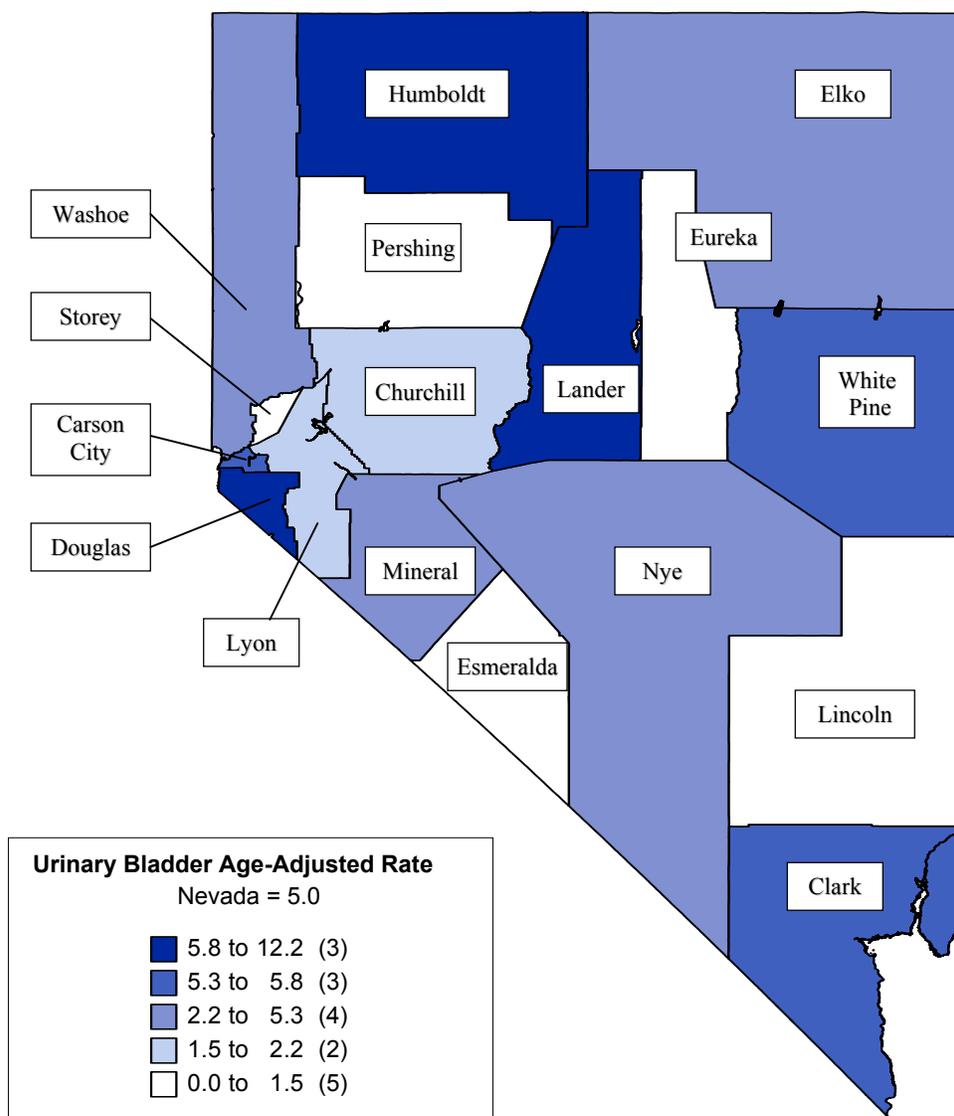
Note: The “---“ is used for rates calculated on numbers less than ten. *Rates are per 100,000 population. **Rates are per 100,000 population and are age-adjusted to the 2000 US Standard population.

Table 141. Urinary Bladder Cancer Inpatient Discharges by Age Group, Charges and Length of Stay, Nevada Residents, 1996-2000

Age Group	Discharges	Charges (\$)			Length of Stay (Days)		
		Total	Average	Median	Total	Average	Median
<1	0	---	---	---	---	---	---
1-4	2	---	---	---	---	---	---
5-14	0	---	---	---	---	---	---
15-24	0	---	---	---	---	---	---
25-34	2	---	---	---	---	---	---
35-44	13	385,712	29,670	23,499	87	6.7	7.0
45-54	59	2,097,638	35,553	29,669	431	7.3	6.0
55-64	182	6,760,033	37,143	23,157	1,404	7.7	6.0
65-74	352	10,396,098	29,534	17,748	2,209	6.3	5.0
75-84	309	9,380,536	30,358	14,135	1,952	6.3	4.0
85+	70	1,206,108	17,230	12,319	392	5.6	3.0
Unknown	0	---	---	---	---	---	---
Total	989	30,402,813	30,741	16,433	6,521	6.6	4.0

MORTALITY

Figure 96. Urinary Bladder Cancer Age-Adjusted (2000) Mortality Rates, Nevada Residents, 1996-2000



Note: Rates are per 100,000 population and age-adjusted to 2000 US Standard population. Caution should be used when interpreting rates based upon small numbers. See Technical notes for more information.

Figure 97. Urinary Bladder Cancer Age-Adjusted Mortality Rates by County/Region of Residence, Nevada Residents, 1996-2000

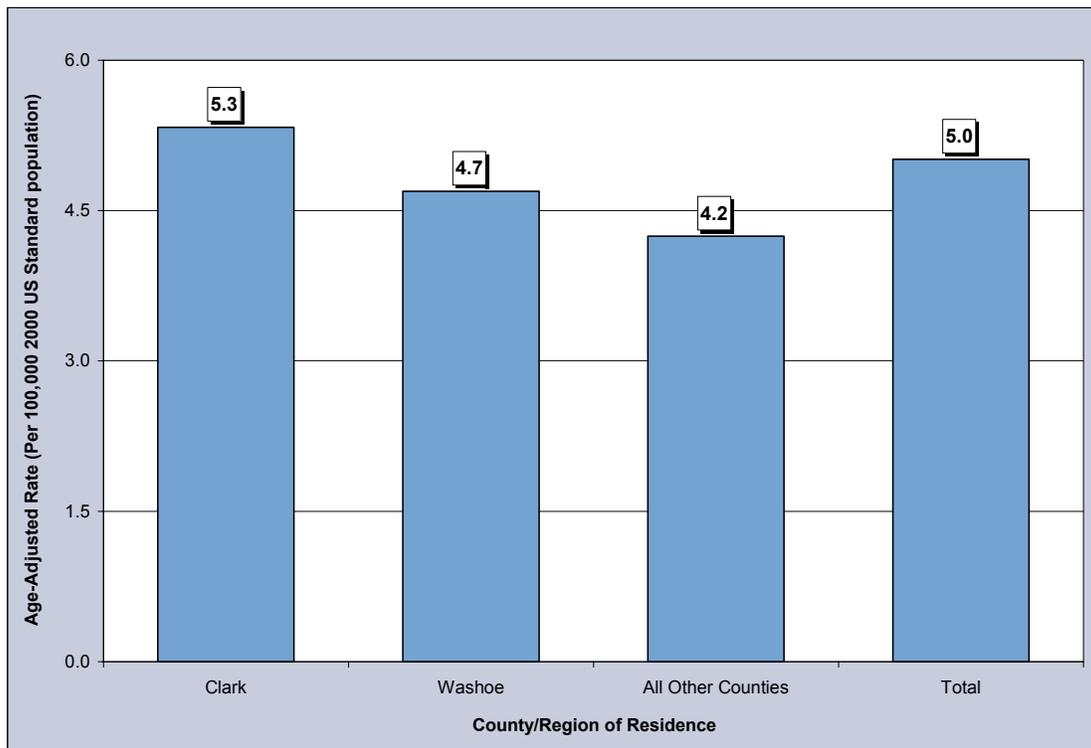


Figure 98. Urinary Bladder Cancer Age-Adjusted Mortality Rates by Race/Ethnicity, Nevada Residents, 1996-2000

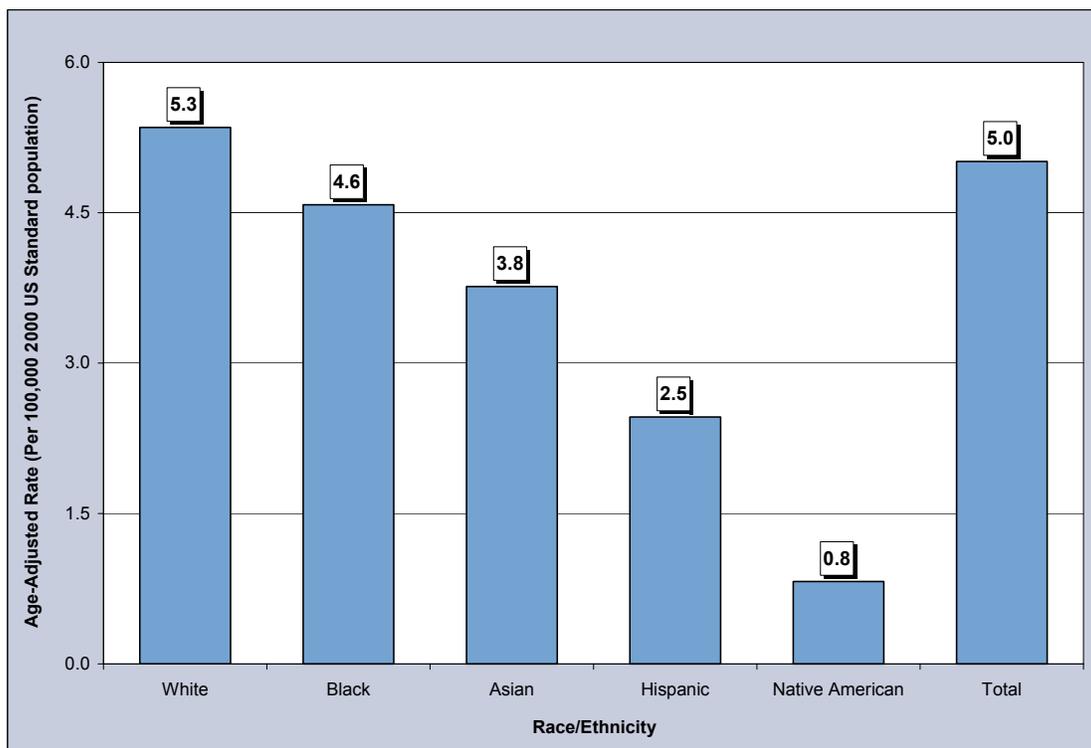


Table 142. Urinary Bladder Cancer Mortality by Gender, Race/Ethnicity and County/Region of Residence, Nevada Residents, 1996-2000

Category	County/Region of Residence			
	Nevada Total	Clark	Washoe	All Other Counties
Total				
Mortality	379	260	64	55
Rate*	5.0	5.3	4.7	4.2
95% C.I.	(4.5-5.6)	(4.7-6.1)	(3.6-6.1)	(3.2-5.6)
Gender				
Male	268	189	40	39
Rate*	8.0	8.6	6.8	6.8
95% C.I.	(6.9-9.1)	(7.3-10.2)	(4.7-9.7)	(4.7-9.7)
Female	111	71	24	16
Rate*	2.7	2.8	3.2	2.3
95% C.I.	(2.2-3.3)	(2.2-3.5)	(2.0-4.8)	(1.3-3.8)
Other/Unknown	0	0	0	0
Race/Ethnicity				
White	350	237	59	54
Rate*	5.3	5.8	4.8	4.5
95% C.I.	(4.8-6.0)	(5.0-6.6)	(3.7-6.3)	(3.4-6.0)
Black	13	13	0	0
Rate*	4.6	5.0	---	---
95% C.I.	(2.3-8.4)	(2.6-9.3)	---	---
Native American	1	0	1	0
Rate*	---	---	---	---
95% C.I.	---	---	---	---
Asian	5	4	1	0
Rate*	---	---	---	---
95% C.I.	---	---	---	---
Hispanic	9	6	2	1
Rate*	---	---	---	---
95% C.I.	---	---	---	---
Other/Unknown	1	0	1	0

Note: The “---” is used for rates calculated on numbers less than ten.

*Rates are per 100,000 population and are age-adjusted to the 2000 US Standard population.

Table 143. Urinary Bladder Cancer Mortality by Age Group and County/Region of Residence, Nevada Residents, 1996-2000

Category	County/Region of Residence			
	Nevada Total	Clark	Washoe	All Other Counties
Total				
Mortality	379	260	64	55
Rate*	4.1	4.1	3.9	4.0
95% C.I.	(3.7-4.5)	(3.6-4.6)	(3.0-4.9)	(3.0-5.1)
Age Group				
<1	0	0	0	0
Rate*	---	---	---	---
95% C.I.	---	---	---	---
1-4	0	0	0	0
Rate*	---	---	---	---
95% C.I.	---	---	---	---
5-14	0	0	0	0
Rate*	---	---	---	---
95% C.I.	---	---	---	---
15-24	0	0	0	0
Rate*	---	---	---	---
95% C.I.	---	---	---	---
25-34	1	1	0	0
Rate*	---	---	---	---
95% C.I.	---	---	---	---
35-44	4	1	2	1
Rate*	---	---	---	---
95% C.I.	---	---	---	---
45-54	13	11	2	0
Rate*	1.1	1.4	---	---
95% C.I.	(0.5-1.7)	(0.6-2.2)	---	---
55-64	55	37	15	3
Rate*	6.4	6.4	10.6	---
95% C.I.	(4.7-8.1)	(4.3-8.4)	(5.2-16.0)	---
65-74	126	83	20	23
Rate*	20.3	20.0	19.8	22.0
95% C.I.	(16.8-23.9)	(15.7-24.3)	(11.1-28.5)	(13.0-31.0)
75-84	126	88	18	20
Rate*	38.4	40.7	32.7	35.4
95% C.I.	(31.7-45.2)	(32.2-49.2)	(17.6-47.8)	(19.9-50.9)
85+	54	39	7	8
Rate*	76.7	91.0	---	---
95% C.I.	(56.2-97.1)	(62.5-119.6)	---	---
Unknown	0	0	0	0

Note: The “---” is used for rates calculated on numbers less than ten.
 * Rates are per 100,000 age-specific population.

Table 144. Urinary Bladder Cancer Mortality by County of Residence, Nevada Residents, 1996-2000

County of Residence	1996-2000 Mortality				
	Cases	Rate*		Age-Adjusted Rate**	
		Rate	95% C.I.	Rate	95% C.I.
Carson City	16	6.5	(3.3-9.7)	5.7	(3.2-9.4)
Churchill	2	---	---	---	---
Clark	260	4.1	(3.6-4.6)	5.3	(4.7-6.1)
Douglas	13	6.5	(3.0-10.0)	6.0	(3.1-11.3)
Elko	4	---	---	---	---
Esmeralda	0	---	---	---	---
Eureka	0	---	---	---	---
Humboldt	3	---	---	---	---
Lander	2	---	---	---	---
Lincoln	0	---	---	---	---
Lyon	3	---	---	---	---
Mineral	1	---	---	---	---
Nye	8	---	---	---	---
Pershing	0	---	---	---	---
Storey	0	---	---	---	---
Washoe	64	3.9	(3.0-4.9)	4.7	(3.6-6.1)
White Pine	3	---	---	---	---
Unknown	0	---	---	---	---
Total	379	4.1	(3.7-4.5)	5.0	(4.5-5.6)

Note: The “---“ is used for rates calculated on numbers less than ten. *Rates are per 100,000 population. **Rates are per 100,000 population and are age-adjusted to the 2000 US Standard population.

Table 145. Urinary Bladder Cancer Mortality by Race/Ethnicity and Gender, Nevada Residents, 1996-2000

Race/Ethnicity		Gender		
		Male	Female	Total
White	Mortality	245	105	350
	Rate*	8.4	3.0	5.3
	95% C.I.	(7.3-9.7)	(2.4-3.6)	(4.8-6.0)
Black	Mortality	9	4	13
	Rate*	---	---	4.6
	95% C.I.	---	---	(2.3-8.4)
Native American	Mortality	1	0	1
	Rate*	---	---	---
	95% C.I.	---	---	---
Asian	Mortality	4	1	5
	Rate*	---	---	---
	95% C.I.	---	---	---
Hispanic	Mortality	8	1	9
	Rate*	---	---	---
	95% C.I.	---	---	---
Other/Unknown		1	0	1
Total	Mortality	268	111	379
	Rate*	8.0	2.7	5.0
	95% C.I.	(6.9-9.1)	(2.2-3.3)	(4.5-5.6)

Note: The “---“ is used for rates calculated on numbers less than ten. *Rates are per 100,000 population and are age-adjusted to the 2000 US Standard population.

Table 146. Urinary Bladder Cancer Mortality by Age Group and Gender, Nevada Residents, 1996-2000

Age Group	Gender		
	Male	Female	Total
<1	0	0	0
Rate*	---	---	---
95% C.I.	---	---	---
1-4	0	0	0
Rate*	---	---	---
95% C.I.	---	---	---
5-14	0	0	0
Rate*	---	---	---
95% C.I.	---	---	---
15-24	0	0	0
Rate*	---	---	---
95% C.I.	---	---	---
25-34	1	0	1
Rate*	---	---	---
95% C.I.	---	---	---
35-44	1	3	4
Rate*	---	---	---
95% C.I.	---	---	---
45-54	9	4	13
Rate*	---	---	1.1
95% C.I.	---	---	(0.5-1.7)
55-64	45	10	55
Rate*	10.5	2.3	6.4
95% C.I.	(7.4-13.6)	(0.9-3.7)	(4.7-8.1)
65-74	92	34	126
Rate*	30.1	10.8	20.3
95% C.I.	(23.9-36.2)	(7.2-14.5)	(16.8-23.9)
75-84	89	37	126
Rate*	60.3	20.5	38.4
95% C.I.	(47.8-72.9)	(13.9-27.1)	(31.7-45.2)
85+	31	23	54
Rate*	136.7	48.1	76.7
95% C.I.	(88.6-184.9)	(28.5-67.8)	(56.2-97.1)
Unknown	0	0	0
Total	268	111	379
Rate*	5.7	2.4	4.1
95% C.I.	(5.0-6.3)	(2.0-2.9)	(3.7-4.5)

* Rates are per 100,000 age-specific population.

Note: The "—" is used for rates calculated on numbers less than ten.

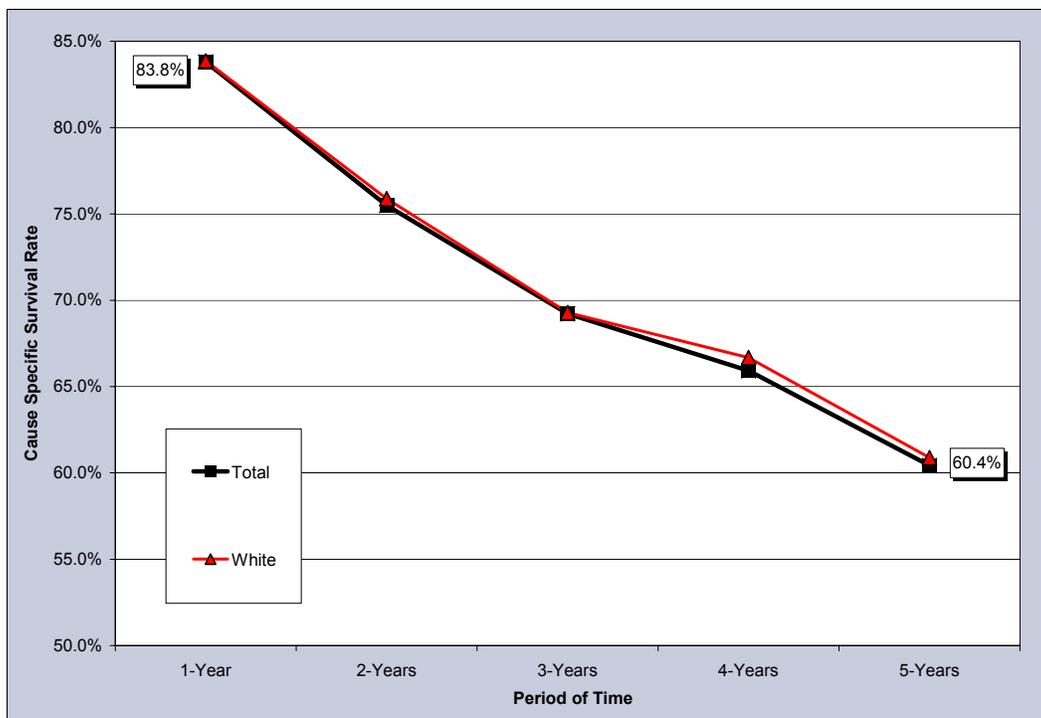
Table 147. Median Age at Death from Urinary Bladder Cancer by Race/Ethnicity and Gender, Nevada Residents, 1996-2000

Race/Ethnicity	Gender					
	Male		Female		Total	
	Deaths	Median Age	Deaths	Median Age	Deaths	Median Age
White	245	73.0	105	75.0	350	74.0
Black	9	72.0	4	---	13	77.0
Native American	1	---	0	---	1	---
Asian	4	---	1	---	5	69.0
Hispanic	8	70.0	1	---	9	70.0
Other/Unknown	1	---	0	---	1	---
Total	268	73.0	111	75.0	379	74.0

Note: Those cases of other/unknown gender and/or unknown ages are not included in this table. The median age was not calculated for those numbers less than five.

SURVIVAL RATE

Figure 99. Survival Rates for Urinary Bladder Cancer by Race/Ethnicity, Nevada Residents, 1996-2000



Notes: The survival rate for those racial/ethnic groups not included in this chart could not be calculated due to small cell size.

Figure 100. Survival Rates for Urinary Bladder Cancer by Stage of Cancer at Diagnosis, Nevada Residents, 1996-2000

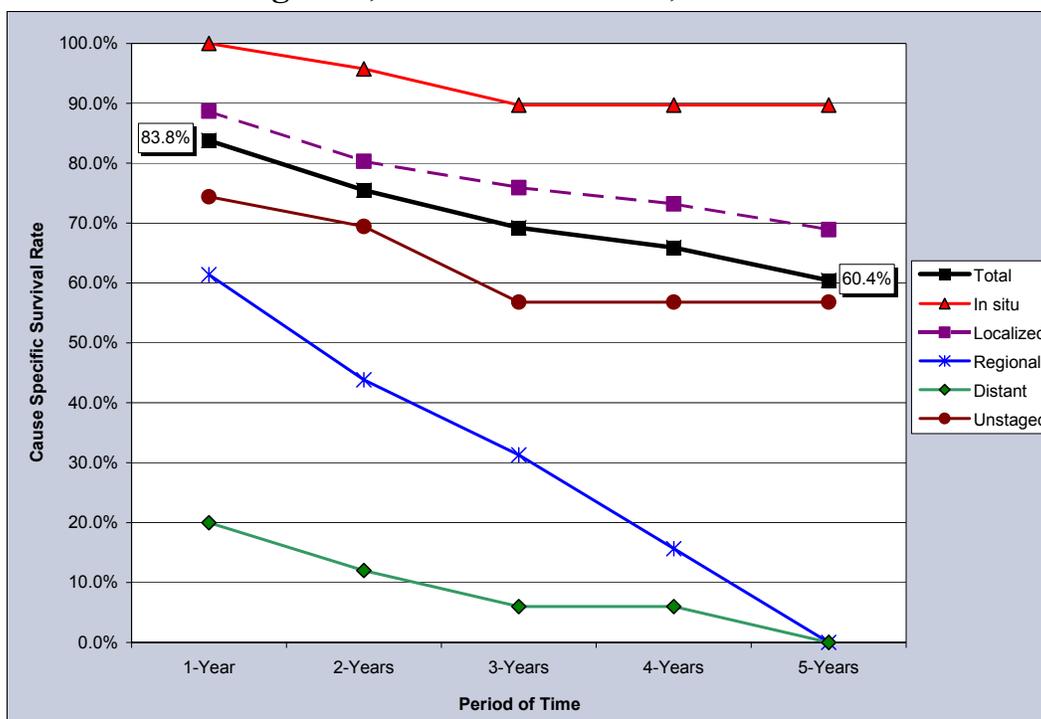


Table 148. Cause-Specific Survival Rates for Urinary Bladder Cancer by Race/Ethnicity and Gender, Nevada Residents, 1996-2000

Race/ Ethnicity and Gender	Number of Cases	Cause Specific Survival Rate					Median Survival Time (years)
		One Year	Two Years	Three Years	Four Years	Five Years	
Total	1,285	83.8%	75.5%	69.2%	65.9%	60.4%	>5 years
Male	974	85.0%	76.5%	70.5%	68.2%	60.4%	>5 years
Female	311	80.0%	72.1%	65.3%	59.2%	59.2%	>5 years
Race/Ethnicity							
White	1,212	83.9%	75.9%	69.3%	66.7%	60.9%	>5 years
Male	909	85.2%	77.2%	70.7%	69.5%	61.4%	>5 years
Female	303	79.9%	71.8%	64.8%	58.5%	58.5%	>5 years
Black	21	---	---	---	---	---	---
Male	20	---	---	---	---	---	---
Female	1	---	---	---	---	---	---
Native American	1	---	---	---	---	---	---
Male	1	---	---	---	---	---	---
Female	0	---	---	---	---	---	---
Asian	10	---	---	---	---	---	---
Male	7	---	---	---	---	---	---
Female	3	---	---	---	---	---	---
Hispanic	34	---	---	---	---	---	---
Male	31	---	---	---	---	---	---
Female	3	---	---	---	---	---	---

Notes: 1) The “---“ indicates that survival rate could not be calculated due to small cell size. Caution should be used when interpreting survival rates based upon categories with a small number of cases. 2) Those cases where the gender and/or race/ethnicity were other/unknown, are not shown separately, but are included in the category totals. 3) These rates may not be directly comparable to National rates because of different methodologies. Caution should be used when trying to compare rates for Nevada and the Nation. For more information on the calculation of survival rates, please refer to Technical Notes section.

Table 149. Cause-Specific Survival Rates for Urinary Bladder Cancer by Stage of Cancer at Diagnosis and Gender, Nevada Residents, 1996-2000

Survival Rate of Stage at Diagnosis		Gender		
		Total	Male	Female
Total	Cases	1,285	974	311
	One Year	83.8%	85.0%	80.0%
	5 Years	60.4%	60.4%	59.2%
	Median Survival	>5 years	>5 years	>5 years
Stage at Diagnosis				
In situ	Cases	309	231	78
	One Year	100.0%	100.0%	100.0%
	5 Years	89.7%	87.2%	0.0%
	Median Survival	>5 years	>5 years	0.00
Localized	Cases	706	546	160
	One Year	88.7%	90.3%	83.2%
	5 Years	68.9%	69.5%	64.4%
	Median Survival	>5 years	>5 years	>5 years
Regional	Cases	127	95	32
	One Year	61.4%	62.3%	58.3%
	5 Years	0.0%	0.0%	0.0%
	Median Survival	1.65	1.65	1.71
Distant	Cases	51	37	14
	One Year	20.0%	18.8%	23.1%
	5 Years	0.0%	0.0%	0.0%
	Median Survival	0.63	0.62	0.65
Unstaged	Cases	92	65	27
	One Year	74.4%	75.0%	73.0%
	5 Years	56.8%	0.0%	58.4%
	Median Survival	>5 years	0.00	>5 years

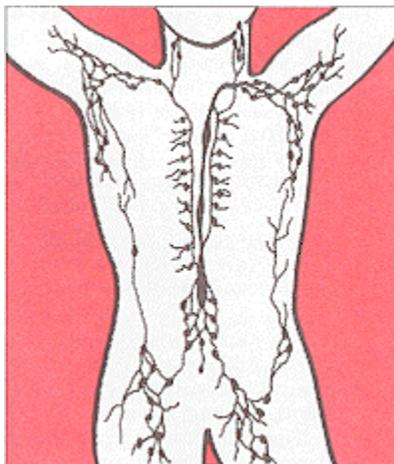
Notes: 1) The “---” indicates that survival rate could not be calculated due to small cell size. Caution should be used when interpreting survival rates based upon categories with a small number of cases. 2) These rates may not be directly comparable to National rates because of different methodologies. Caution should be used when trying to compare rates for Nevada and the Nation. For more information on the calculation of survival rates, please refer to Technical Notes section.

NON-HODGKIN'S LYMPHOMA

NON-HODGKIN'S LYMPHOMA

GENERAL PROFILE⁴

Figure 101. Anatomy of the Lymphatic System



General Anatomy: Lymphoma is a general term for cancers that develop in the lymphatic system. The lymphatic system is part of the body's immune system that helps the body fight disease and infection and includes a network of thin tubes (lymphatic vessels) that branch, like blood vessels, into tissues throughout the body. Lymphatic vessels carry lymph, a colorless, watery fluid that contains infection-fighting cells called lymphocytes. Along this network of vessels are small organs called lymph nodes that are found in the underarms, groin, neck, chest, and abdomen. Other parts of the lymphatic system are the spleen, thymus, tonsils, and bone marrow. Lymphatic tissue is also found in other parts of the body, including the stomach, intestines, and skin.

In non-Hodgkin's lymphoma, cells in the lymphatic system become abnormal. They divide and grow without any order or control, or old cells do not die as cells normally do. Non-Hodgkin's lymphoma can start almost anywhere in the body and may occur in a single lymph node, a group of lymph nodes, or in another organ. This type of cancer can spread to almost any part of the body, including the liver, bone marrow, and spleen.

Risk Factors: Age, male gender, weakened immune system, viruses (Human T-lymphotropic virus type I (HTLV-1) and Epstein-Barr virus), and environment (chemical exposure).

Signs and Symptoms: Unexplained fever, night sweats, constant fatigue, unexplained weight loss, itchy skin, and reddened patches on the skin.

Diagnosing the Cancer: X-rays, computed tomography (CAT) scan, magnetic resonance imaging (MRI), and lymphangiogram.

Treatment: Treatment options include: chemotherapy, radiation therapy, bone marrow transplantation (BMT), biological therapy, surgery, and clinical trials.

HIGHLIGHTS

- The ratio of the age-adjusted incidence rate, 14.8, to the age-adjusted mortality rate, 7.4 (per 100,000 – 2000 US Standard population), for Non-Hodgkin's Lymphoma was 2.01 during the 1996 to 2000 period, which means that for every 2.01 Non-Hodgkin's Lymphoma cases during this period, there was one death due to Non-Hodgkin's Lymphoma in Nevada.
- Nevadan females had a higher ratio than males when the age-adjusted incidence and age-adjusted mortality rates for Non-Hodgkin's Lymphoma were compared. For every female death due to Non-Hodgkin's Lymphoma there was 2.10 female cases while there were 1.89 male cases for every male Non-Hodgkin's Lymphoma death in Nevada from 1996 to 2000.
- The median age at diagnosis of Non-Hodgkin's Lymphoma was 65 years of age for Nevada residents from 1996 to 2000; the median age at time of death was 72 years.

INCIDENCE

- There were 1,252 cases of Non-Hodgkin's Lymphoma in Nevada from 1996 to 2000. Nevada's lower incidence rate, 14.8 (13.9-15.6), for Non-Hodgkin's Lymphoma showed statistical significance when compared to the National rate, 19.1 (18.9-19.3), per 100,000 – 2000 US Standard population.
- While regional comparisons showed that Washoe County's age-adjusted incidence rate, 17.0, was higher than the rate for All Other Counties and Clark County who had rates of 16.3 and 13.9 (per 100,000 – 2000 US Standard population) from 1996 to 2000, these differences were not statistically significant.
- Males had a higher statistically significant age-adjusted incidence rate, 17.6 (16.2-19.1), than Females from 1996 to 2000 who had a rate of 12.2 (11.2-13.3), per 100,000 – 2000 US Standard population.
- Whites had the highest age-adjusted incidence rate, 16.2, for Non-Hodgkin's Lymphoma of all racial/ethnic groups and were followed by Asians, Blacks and Hispanics with rates of 13.2, 8.7 and 8.1 (per 100,000 – 2000 US Standard population), respectively, during this period.

INPATIENT HOSPITAL DISCHARGES

- There were 966 Inpatient Discharges for Non-Hodgkin's Lymphoma to Nevada residents from 1996 to 2000. Regional comparisons showed little difference between the age-adjusted inpatient discharge rates and average length of stay in days between Clark County, Washoe County and All Other Counties, as a region.

- Total billed charges for hospital inpatient discharges from Non-Hodgkin's Lymphoma in Nevada totaled just over 35 million dollars from 1996 to 2000. Clark County had the highest median total billed charge (\$23,570) once regional comparisons were made.
- The overall average billed charge per day for an inpatient hospital discharge for Non-Hodgkin's Lymphoma was approximately \$4,000 in Nevada from 1996 to 2000.

MORTALITY

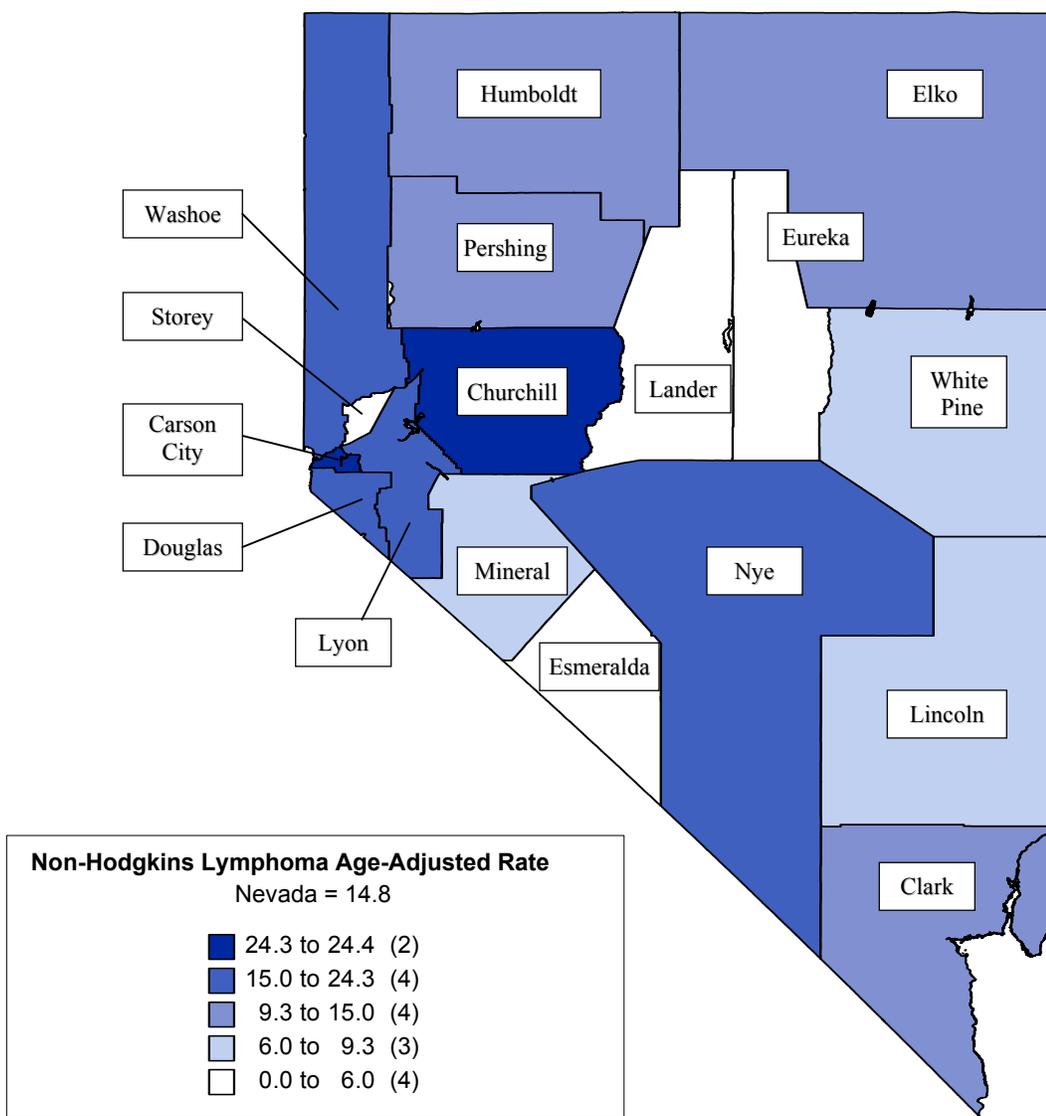
- There were 587 deaths in Nevada due to Non-Hodgkin's Lymphoma from 1996 to 2000. Regional comparisons showed little difference between the age-adjusted mortality rates for Clark County, Washoe County, and All Other Counties, as a region, with rates of 7.6, 7.1 and 6.8 (per 100,000 – 2000 US Standard population), respectively.
- While racial/ethnic comparisons showed that Whites had highest age-adjusted mortality rate (7.9) for Non-Hodgkin's Lymphoma, and were followed by Asians, Hispanics and Blacks with rates of 6.5, 4.5 and 4.1 (per 100,000 – 2000 US Standard population), respectively; statistical analysis does not show any statistical significance between any of the racial/ethnic groups during the 1996 to 2000 period.

SURVIVAL RATE

- Males in Nevada had a slightly higher one-year survival rate (68.8%) than females (68.1%) for Non-Hodgkin's Lymphoma during the 1996 to 2000 period. However, this difference grew by the five-year survival period where males had a survival rate of 37.9% and females had a rate of 30.7%.
- The Non-Hodgkin's Lymphoma survival rate varies greatly by the stage of the cancer at time of diagnosis. Those diagnosed at the localized stage had the highest one- and five-year survival rates with 83.6% and 43.6%, respectively. This was followed by those with regional and then distant diagnoses with rates of 61.8% and 61.1% for the one year period and 39.6% and 21.0% for the five year period.

INCIDENCE

Figure 102. Non-Hodgkin’s Lymphoma Age-Adjusted (2000) Incidence Rates, Nevada Residents, 1996-2000



Note: Rates are per 100,000 population and age-adjusted to 2000 US Standard population. Caution should be used when interpreting rates based upon small numbers. See Technical notes for more information.

Figure 103. Non-Hodgkin’s Lymphoma Age-Adjusted Incidence Rates by County/Region of Residence, Nevada Residents, 1996-2000

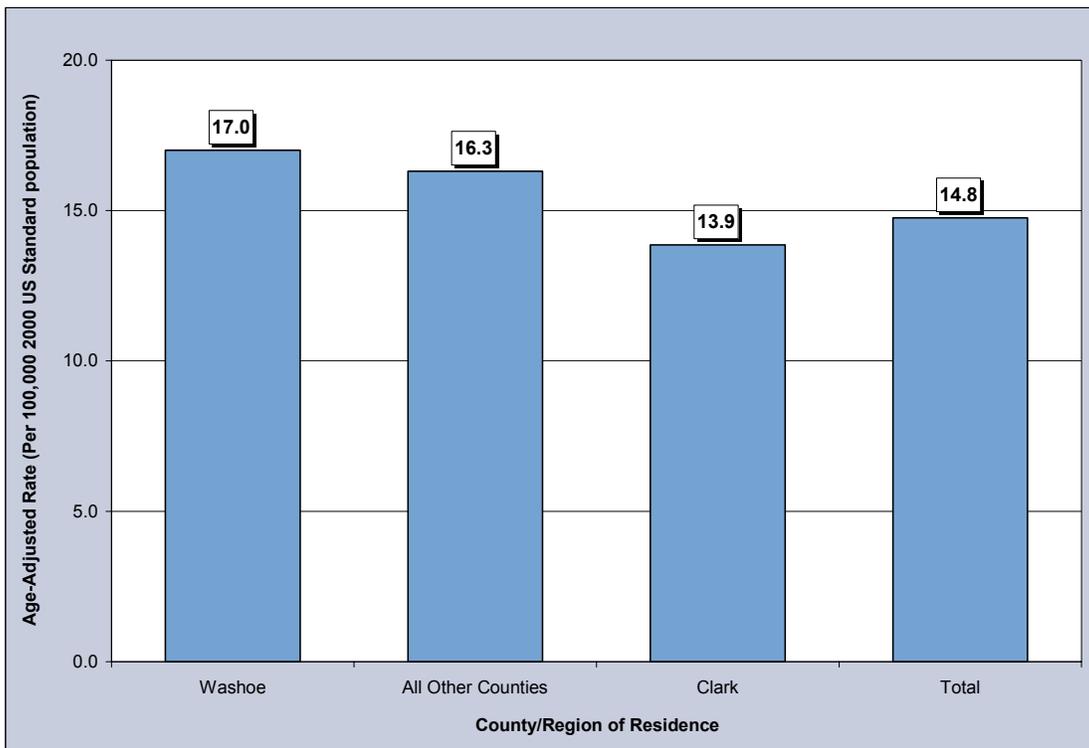


Figure 104. Non-Hodgkin’s Lymphoma Age-Adjusted Incidence Rates by Race/Ethnicity, Nevada Residents, 1996-2000

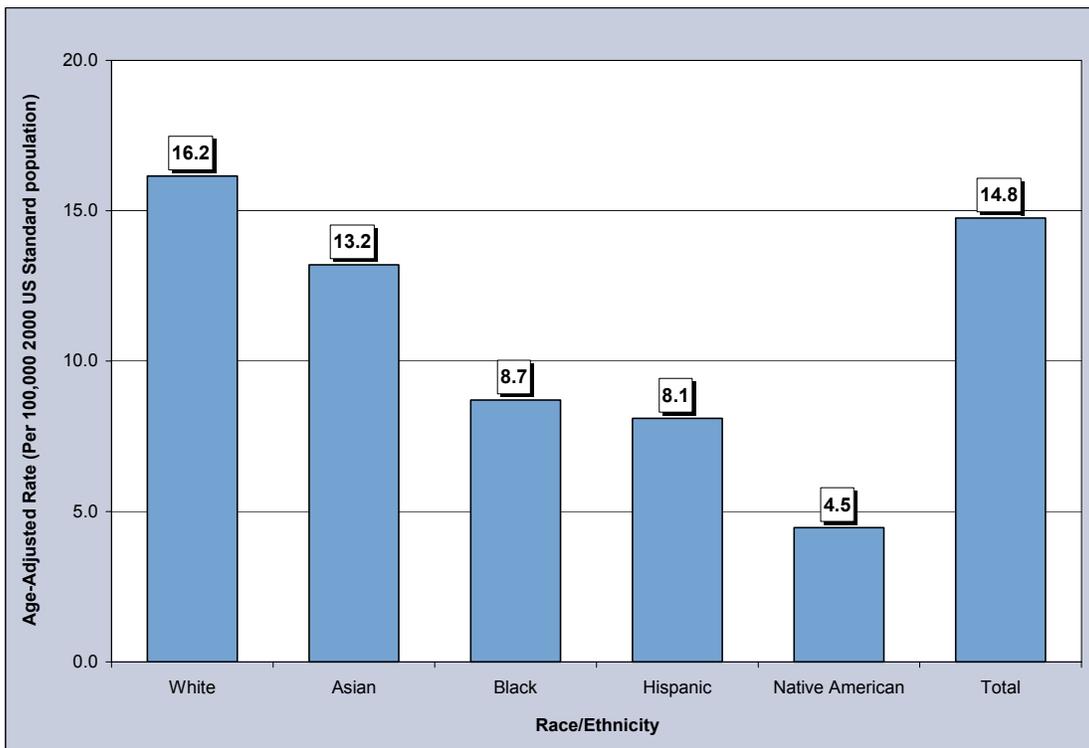


Table 150. Non-Hodgkin's Lymphoma Cases by Gender, Race/Ethnicity and County/Region of Residence at Diagnosis, Nevada Residents (1996-2000) and SEER-11 (1995-1999)

Category	County/Region of Residence					SEER 11 (1995-1999)
	Nevada Total	Clark	Washoe	All Other Counties	Unknown	
Total						
Cases	1,252	773	253	226	0	32,597
Rate*	14.8	13.9	17.0	16.3	---	19.1
95% C.I.	(13.9-15.6)	(12.9-14.9)	(14.9-19.3)	(14.2-18.7)	---	(18.9-19.3)
Gender						
Male	716	432	152	132	0	18,057
Rate*	17.6	16.1	21.8	19.3	---	23.7
95% C.I.	(16.2-19.1)	(14.5-17.9)	(18.2-26.1)	(16.1-23.3)	---	(23.3-24.0)
Female	535	341	100	94	0	14,540
Rate*	12.2	11.8	13.0	13.4	---	15.4
95% C.I.	(11.2-13.3)	(10.6-13.2)	(10.6-15.8)	(10.8-16.5)	---	(15.2-15.7)
Other/Unknown	1	0	1	0	0	0
Race/Ethnicity						
White	1,109	668	229	212	0	27,505
Rate*	16.2	15.4	17.9	17.1	---	19.9
95% C.I.	(15.2-17.2)	(14.2-16.7)	(15.7-20.5)	(14.8-19.6)	---	(19.7-20.1)
Black	37	33	3	1	0	2,332
Rate*	8.7	8.7	---	---	---	14.7
95% C.I.	(5.9-12.9)	(5.7-13.2)	---	---	---	(14.1-15.3)
Native American	4	0	2	2	0	73
Rate*	---	---	---	---	---	5.9
95% C.I.	---	---	---	---	---	(4.5-4.5)
Asian	40	33	5	2	0	2,178
Rate*	13.2	13.8	---	---	---	13.8
95% C.I.	(8.7-21.1)	(8.5-23.8)	---	---	---	(13.2-14.4)
Hispanic	56	34	13	9	0	2,826
Rate*	8.1	6.8	14.4	---	---	14.4
95% C.I.	(5.8-11.6)	(4.4-10.9)	(6.2-32.9)	---	---	(13.8-15.0)
Other/Unknown	6	5	1	0	0	509

* Rates are per 100,000 population and are age-adjusted to the 2000 US Standard population.

Note: The "----" is used for rates calculated on numbers less than ten and SEER numbers less than five. Caution should be used when comparing rates for racial/ethnic groups to the National (SEER) rates. See Technical Notes for more information.

Table 151. Non-Hodgkin’s Lymphoma Cases by Age Group and County/Region of Residence at Diagnosis, Nevada Residents (1996-2000) and SEER-11 (1995-1999)

Category	County/Region of Residence					SEER 11 (1995-1999)
	Nevada Total	Clark	Washoe	All Other Counties	Unknown	
Total						
Cases	1,252	773	253	226	0	32,597
Rate*	13.5	12.3	15.4	16.5	---	17.6
95% C.I.	(12.7-14.2)	(11.4-13.1)	(13.5-17.4)	(14.3-18.6)	---	(17.4-17.8)
Age Group						
<1	1	1	0	0	0	---
Rate*	---	---	---	---	---	---
95% C.I.	---	---	---	---	---	---
1-4	7	3	2	2	0	69
Rate*	---	---	---	---	---	0.6
95% C.I.	---	---	---	---	---	(0.5-0.8)
5-14	11	6	3	2	0	261
Rate*	0.8	---	---	---	---	1.0
95% C.I.	(0.3-1.3)	---	---	---	---	(0.9-1.1)
15-24	20	13	3	4	0	493
Rate*	1.6	1.5	---	---	---	1.9
95% C.I.	(0.9-2.2)	(0.7-2.3)	---	---	---	(1.7-2.1)
25-34	62	39	12	11	0	1,663
Rate*	4.3	3.8	4.8	6.9	---	5.7
95% C.I.	(3.3-5.4)	(2.6-5.0)	(2.1-7.4)	(2.8-11.0)	---	(5.4-6.0)
35-44	103	56	33	14	0	3,234
Rate*	6.9	5.7	11.9	6.2	---	10.4
95% C.I.	(5.6-8.2)	(4.2-7.1)	(7.8-15.9)	(3.0-9.4)	---	(10.0-10.7)
45-54	163	102	30	31	0	4,410
Rate*	13.5	12.9	13.4	16.1	---	19.3
95% C.I.	(11.4-15.6)	(10.4-15.4)	(8.6-18.1)	(10.4-21.8)	---	(18.7-19.8)
55-64	235	141	54	40	0	5,288
Rate*	27.3	24.3	38.2	29.0	---	37.8
95% C.I.	(23.8-30.8)	(20.2-28.3)	(28.0-48.4)	(20.0-38.0)	---	(36.8-38.8)
65-74	316	197	57	62	0	7,764
Rate*	51.0	47.5	56.5	59.3	---	67.3
95% C.I.	(45.4-56.6)	(40.9-54.2)	(41.8-71.2)	(44.6-74.1)	---	(65.8-68.8)
75-84	275	176	49	50	0	7,086
Rate*	83.9	81.4	89.0	88.5	---	97.5
95% C.I.	(74.0-93.8)	(69.4-93.4)	(64.1-114.0)	(64.0-113.1)	---	(95.2-99.8)
85+	59	39	10	10	0	2,325
Rate*	83.7	91.0	69.4	75.8	---	93.7
95% C.I.	(62.4-105.1)	(62.5-119.6)	(26.4-112.4)	(28.8-122.8)	---	(89.9-97.6)
Unknown	0	0	0	0	0	0

* Rates are per 100,000 age-specific population.

Note: The “---“ is used for rates calculated on numbers less than ten and SEER numbers less than five. See Technical Notes for more information.

Table 152. Non-Hodgkin’s Lymphoma Cases by County of Residence at Diagnosis, Nevada Residents, 1996-2000

County of Residence at Diagnosis	1996-2000 Incidence				
	Cases	Rate*		Age-Adjusted Rate**	
		Rate	95% C.I.	Rate	95% C.I.
Carson City	67	27.3	(20.8-33.9)	24.4	(18.9-31.2)
Churchill	28	23.7	(14.9-32.5)	24.3	(16.1-35.7)
Clark	773	12.3	(11.4-13.1)	13.9	(12.9-14.9)
Douglas	43	21.5	(15.1-27.9)	19.5	(13.9-27.3)
Elko	12	5.2	(2.3-8.2)	9.4	(4.5-18.1)
Esmeralda	0	---	---	---	---
Eureka	0	---	---	---	---
Humboldt	9	---	---	---	---
Lander	1	---	---	---	---
Lincoln	1	---	---	---	---
Lyon	28	17.3	(10.9-23.7)	15.7	(10.4-23.4)
Mineral	2	---	---	---	---
Nye	28	18.9	(11.9-25.8)	15.1	(9.7-23.6)
Pershing	3	---	---	---	---
Storey	1	---	---	---	---
Washoe	253	15.4	(13.5-17.4)	17.0	(14.9-19.3)
White Pine	3	---	---	---	---
Unknown	0	---	---	---	---
Total	1,252	13.5	(12.7-14.2)	14.8	(13.9-15.6)

Note: The “---“ is used for rates calculated on numbers less than ten. *Rates are per 100,000 population. **Rates are per 100,000 population and are age-adjusted to the 2000 US Standard population.

Table 153. Non-Hodgkin’s Lymphoma Cases by Race/Ethnicity and Gender, Nevada Residents, 1996-2000

Race/Ethnicity		Gender			
		Male	Female	Other/Unknown	Total
White	Incidence	632	476	1	1,109
	Rate*	19.2	13.5	---	16.2
	95% C.I.	(17.6-20.8)	(12.3-14.8)	---	(15.2-17.2)
Black	Incidence	18	19	0	37
	Rate*	7.7	9.0	---	8.7
	95% C.I.	(4.4-15.9)	(5.2-14.9)	---	(5.9-12.9)
Native American	Incidence	2	2	0	4
	Rate*	---	---	---	---
	95% C.I.	---	---	---	---
Asian	Incidence	22	18	0	40
	Rate*	14.3	12.4	---	13.2
	95% C.I.	(8.6-28.4)	(6.1-25.6)	---	(8.7-21.1)
Hispanic	Incidence	39	17	0	56
	Rate*	11.4	5.0	---	8.1
	95% C.I.	(7.4-18.9)	(2.6-9.5)	---	(5.8-11.6)
Other/Unknown		3	3	0	6
Total	Incidence	716	535	1	1,252
	Rate*	17.6	12.2	---	14.8
	95% C.I.	(16.2-19.1)	(11.2-13.3)	---	(13.9-15.6)

Note: The “---“ is used for rates calculated on numbers less than ten. *Rates are per 100,000 population and are age-adjusted to the 2000 US Standard population.

Table 154. Non-Hodgkin’s Lymphoma Cases by Age Group and Gender, Nevada Residents, 1996-2000

Age Group	Gender			
	Male	Female	Other/ Unknown	Total
<1	0	1	0	1
Rate*	---	---	---	---
95% C.I.	---	---	---	---
1-4	3	4	0	7
Rate*	---	---	---	---
95% C.I.	---	---	---	---
5-14	7	4	0	11
Rate*	---	---	---	0.8
95% C.I.	---	---	---	(0.3-1.3)
15-24	9	11	0	20
Rate*	---	1.8	---	1.6
95% C.I.	---	(0.7-2.8)	---	(0.9-2.2)
25-34	34	27	1	62
Rate*	4.6	3.9	---	4.3
95% C.I.	(3.0-6.1)	(2.4-5.4)	---	(3.3-5.4)
35-44	69	34	0	103
Rate*	8.9	4.7	---	6.9
95% C.I.	(6.8-11.0)	(3.1-6.3)	---	(5.6-8.2)
45-54	100	63	0	163
Rate*	16.3	10.6	---	13.5
95% C.I.	(13.1-19.5)	(8.0-13.2)	---	(11.4-15.6)
55-64	149	86	0	235
Rate*	34.8	19.9	---	27.3
95% C.I.	(29.2-40.3)	(15.7-24.1)	---	(23.8-30.8)
65-74	180	136	0	316
Rate*	58.9	43.3	---	51.0
95% C.I.	(50.3-67.5)	(36.0-50.6)	---	(45.4-56.6)
75-84	139	136	0	275
Rate*	94.3	75.4	---	83.9
95% C.I.	(78.6-109.9)	(62.8-88.1)	---	(74.0-93.8)
85+	26	33	0	59
Rate*	114.7	69.1	---	83.7
95% C.I.	(70.6-158.8)	(45.5-92.6)	---	(62.4-105.1)
Unknown	0	0	0	0
Total	716	535	1	1,252
Rate*	15.1	11.7	---	13.5
95% C.I.	(14.0-16.2)	(10.7-12.7)	---	(12.7-14.2)

* Rates are per 100,000 age-specific population.
 Note: The “---” is used for rates calculated on numbers less than ten.

Table 155. Non-Hodgkin's Lymphoma Cases by Age Group and Stage, Nevada Residents, 1996-2000

Age Group		Stage					Total
		In situ	Localized	Regional	Distant	Unstaged	
<1	Number	0	0	0	0	1	1
	Percent	---	---	---	---	100.0%	100.0%
1-4	Number	0	2	1	2	2	7
	Percent	---	28.6%	14.3%	28.6%	28.6%	100.0%
5-14	Number	0	1	0	6	4	11
	Percent	---	9.1%	---	54.5%	36.4%	100.0%
15-24	Number	0	9	0	5	6	20
	Percent	---	45.0%	---	25.0%	30.0%	100.0%
25-34	Number	0	18	8	20	16	62
	Percent	---	29.0%	12.9%	32.3%	25.8%	100.0%
35-44	Number	0	35	7	32	29	103
	Percent	---	34.0%	6.8%	31.1%	28.2%	100.0%
45-54	Number	0	47	13	58	45	163
	Percent	---	28.8%	8.0%	35.6%	27.6%	100.0%
55-64	Number	0	68	26	78	63	235
	Percent	---	28.9%	11.1%	33.2%	26.8%	100.0%
65-74	Number	0	85	28	97	106	316
	Percent	---	26.9%	8.9%	30.7%	33.5%	100.0%
75-84	Number	0	61	22	81	111	275
	Percent	---	22.2%	8.0%	29.5%	40.4%	100.0%
85+	Number	0	10	5	22	22	59
	Percent	---	16.9%	8.5%	37.3%	37.3%	100.0%
Unknown	Number	0	0	0	0	0	0
	Percent	---	---	---	---	---	---
Total	Number	0	336	110	401	405	1,252
	Percent	---	26.8%	8.8%	32.0%	32.3%	100.0%

Table 156. Non-Hodgkin’s Lymphoma Cases by Stage and Race/Ethnicity, Nevada Residents, 1996-2000

Stage		Race/Ethnicity						Total
		White	Black	Native American	Asian	Hispanic	Other/Unknown	
In situ	Number	0	0	0	0	0	0	0
	Percent	---	---	---	---	---	---	---
Localized	Number	297	8	2	10	16	3	336
	Percent	26.8%	21.6%	50.0%	25.0%	28.6%	50.0%	26.8%
Regional	Number	92	5	0	4	8	1	110
	Percent	8.3%	13.5%	---	10.0%	14.3%	16.7%	8.8%
Distant	Number	359	16	1	14	10	1	401
	Percent	32.4%	43.2%	25.0%	35.0%	17.9%	16.7%	32.0%
Unstaged	Number	361	8	1	12	22	1	405
	Percent	32.6%	21.6%	25.0%	30.0%	39.3%	16.7%	32.3%
Total	Number	1,109	37	4	40	56	6	1,252
	Percent	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%

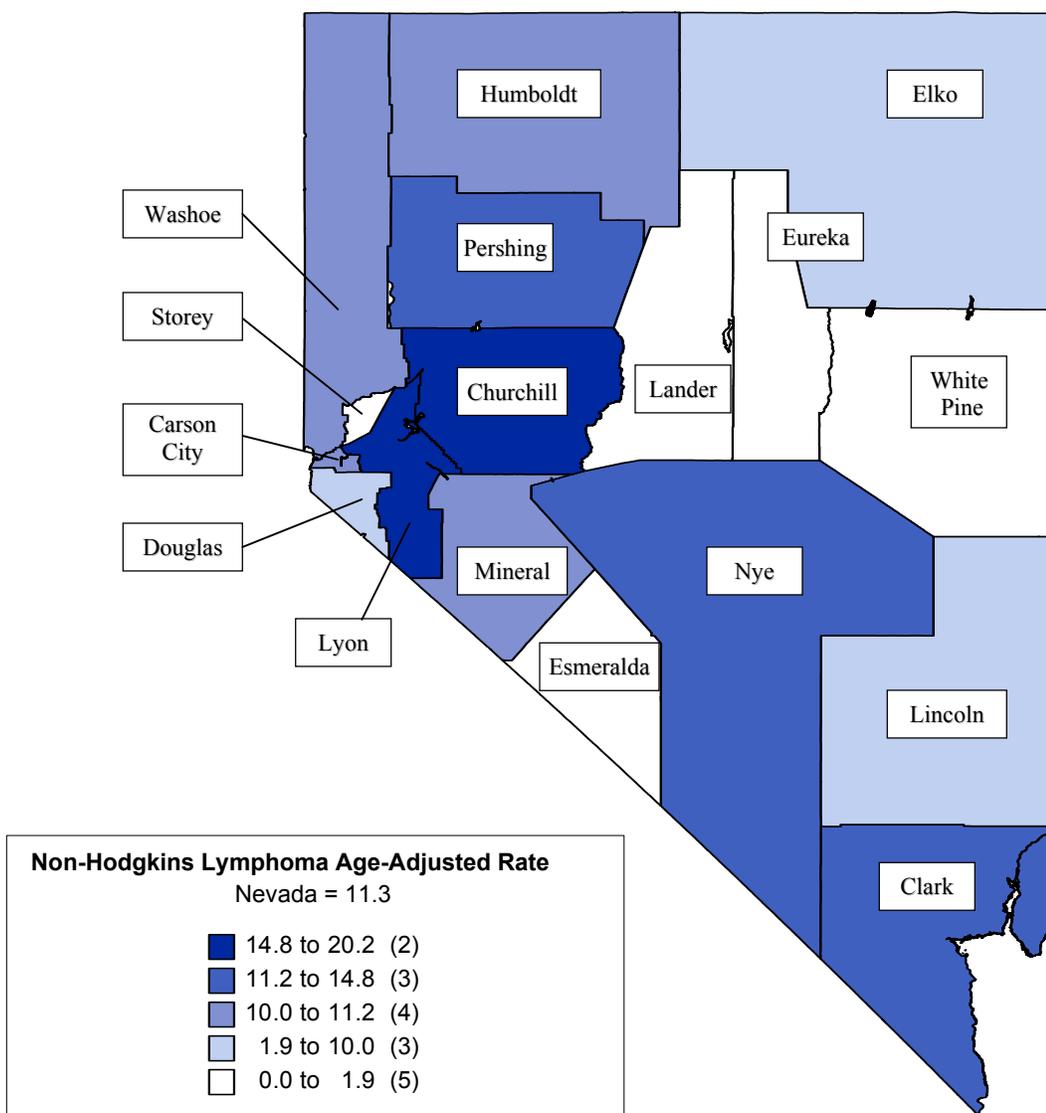
Table 157. Median Age at Diagnosis of Non-Hodgkin’s Lymphoma by Race/Ethnicity and Gender, Nevada Residents, 1996-2000

Race/Ethnicity	Gender					
	Male		Female		Total	
	Incidence	Median Age	Incidence	Median Age	Incidence	Median Age
White	632	65.0	476	67.0	1,108	66.0
Black	18	51.0	19	65.0	37	58.0
Native American	2	---	2	---	4	---
Asian	22	63.0	18	68.5	40	64.0
Hispanic	39	55.0	17	61.0	56	58.0
Other/Unknown	3	---	3	---	6	56.5
Total	716	64.0	535	67.0	1,251	65.0

Note: Those cases of other/unknown gender and/or unknown ages are not included in this table. The median age was not calculated for those numbers less than five.

INPATIENT HOSPITAL DISCHARGES

Figure 105. Non-Hodgkin’s Lymphoma Age-Adjusted (2000) Inpatient Discharge Rates, Nevada Residents, 1996-2000



Note: Rates are per 100,000 population and age-adjusted to 2000 US Standard population. Caution should be used when interpreting rates based upon small numbers and comparing inpatient hospital discharge rates to other data sources, because it is occurrence based data. See Technical notes for more information.

Figure 106. Non-Hodgkin’s Lymphoma Age-Adjusted Inpatient Discharge Rates by County/Region of Residence, Nevada Residents, 1996-2000

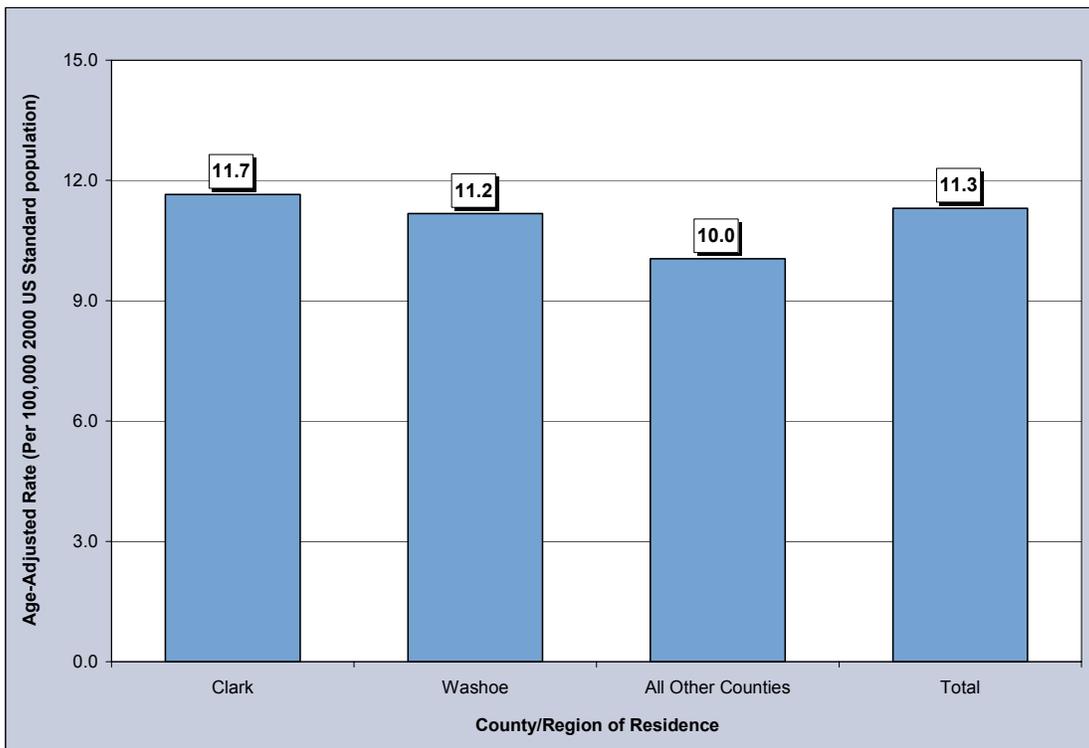


Figure 107. Median Charges for Non-Hodgkin’s Lymphoma Discharges by County/Region of Residence, Nevada Residents, 1996-2000

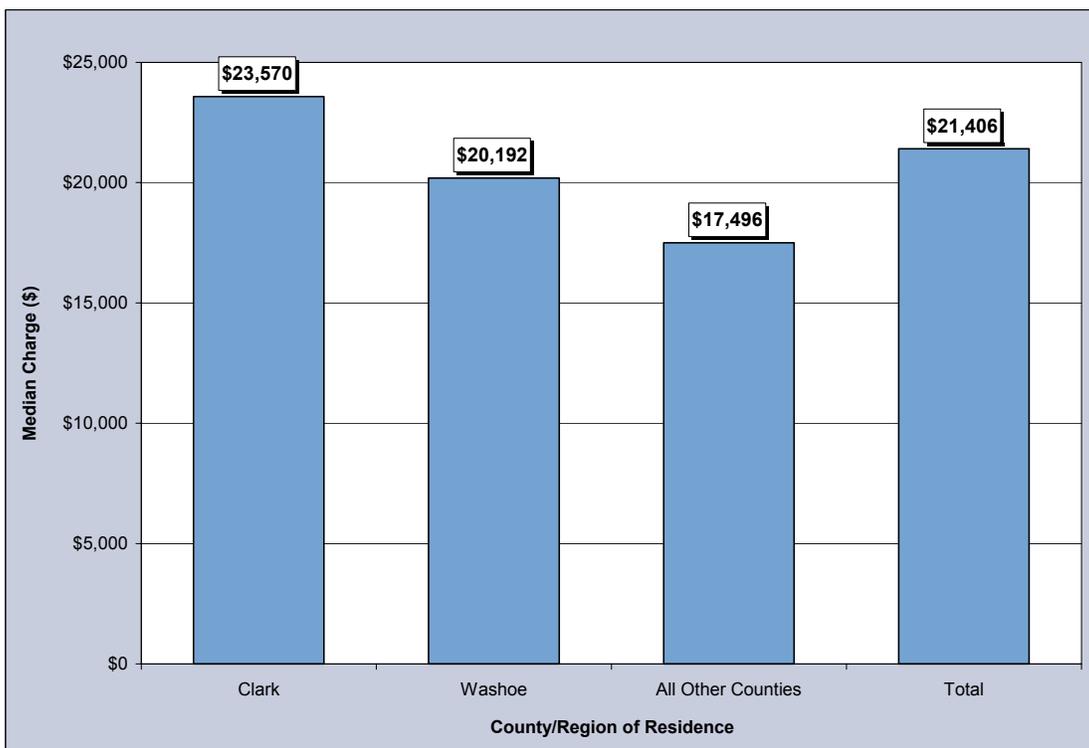


Figure 108. Average Length of Stay for Non-Hodgkin’s Lymphoma Discharges by County/Region of Residence, Nevada Residents, 1996-2000

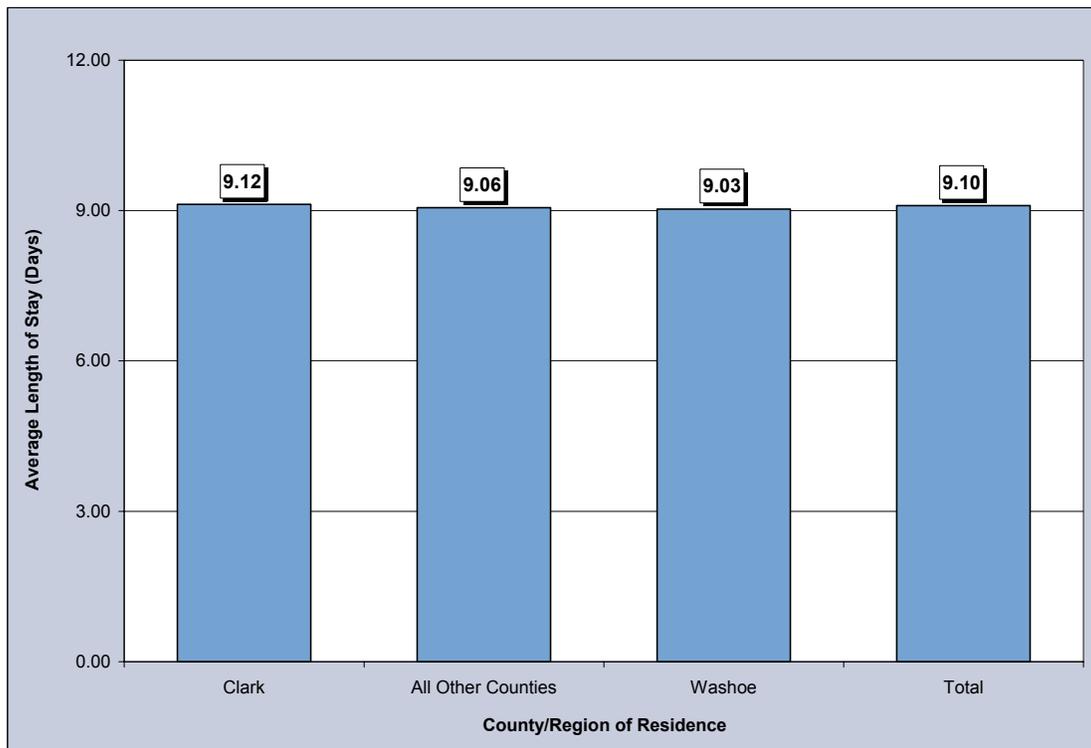


Table 158. Non-Hodgkin's Lymphoma Discharges by Gender, Charges, Length of Stay, and County/Region of Residence, Nevada Residents, 1996-2000

Category	County/Region of Residence				
	Nevada Total	Clark	Washoe	All Other Counties	Unknown
Total					
Discharges	966	662	164	140	0
Rate*	11.3	11.7	11.2	10.0	---
95% C.I.	(10.6-12.1)	(10.8-12.6)	(9.5-13.1)	(8.4-11.9)	---
Gender					
Male	553	373	99	81	0
Rate*	13.2	13.5	14.2	11.3	---
95% C.I.	(12.1-14.5)	(12.1-15.1)	(11.3-17.8)	(8.9-14.3)	---
Female	413	289	65	59	0
Rate*	9.4	9.9	8.6	8.5	---
95% C.I.	(8.5-10.4)	(8.8-11.2)	(6.6-11.0)	(6.5-11.1)	---
Other/Unknown	0	0	0	0	0
Inpatient Discharge Charges (\$)					
Total Charges	\$35,296,828	\$24,713,117	\$5,762,200	\$4,821,511	---
Average Charges	\$36,539	\$37,331	\$35,135	\$34,439	---
Median Charges	\$21,406	\$23,570	\$20,192	\$17,496	---
Discharge Length of Stay (LOS) (Days)					
Total LOS	8,789	6,040	1,481	1,268	---
Average LOS	9.1	9.1	9.0	9.1	---
Median LOS	6.0	7.0	6.0	6.0	---

* Rates are per 100,000 population and are age-adjusted to the 2000 US Standard population.

Note: The "---" is used for rates calculated on numbers less than ten. Caution should be used when comparing inpatient hospital discharge data to other data sources, since it is occurrence-based data. Please see Technical Notes for more information.

Table 159. Non-Hodgkin's Lymphoma Discharges by Age Group and County/Region of Residence, Nevada Residents, 1996-2000

Category	County/Region of Residence				
	Nevada Total	Clark	Washoe	All Other Counties	Unknown
Total					
Discharges	966	662	164	140	0
Rate*	10.4	10.5	10.0	10.2	---
95% C.I.	(9.7-11.0)	(9.7-11.3)	(8.5-11.5)	(8.5-11.9)	---
Age Group					
<1	1	1	0	0	0
Rate*	---	---	---	---	---
95% C.I.	---	---	---	---	---
1-4	6	4	0	2	0
Rate*	---	---	---	---	---
95% C.I.	---	---	---	---	---
5-14	15	12	2	1	0
Rate*	1.1	1.4	---	---	---
95% C.I.	(0.6-1.7)	(0.6-2.1)	---	---	---
15-24	20	15	2	3	0
Rate*	1.6	1.7	---	---	---
95% C.I.	(0.9-2.2)	(0.9-2.6)	---	---	---
25-34	54	37	12	5	0
Rate*	3.8	3.6	4.8	---	---
95% C.I.	(2.8-4.8)	(2.5-4.8)	(2.1-7.4)	---	---
35-44	61	43	14	4	0
Rate*	4.1	4.3	5.0	---	---
95% C.I.	(3.1-5.1)	(3.0-5.6)	(2.4-7.7)	---	---
45-54	122	91	13	18	0
Rate*	10.1	11.5	5.8	8.0	---
95% C.I.	(8.3-11.9)	(9.1-13.8)	(2.6-8.9)	(4.3-11.7)	---
55-64	178	112	42	24	0
Rate*	20.7	19.3	29.7	17.0	---
95% C.I.	(17.6-23.7)	(15.7-22.8)	(20.7-38.7)	(10.2-23.8)	---
65-74	264	177	38	49	0
Rate*	42.6	42.7	37.7	48.6	---
95% C.I.	(37.4-47.7)	(36.4-49.0)	(25.7-49.7)	(35.0-62.2)	---
75-84	203	146	31	26	0
Rate*	61.9	67.5	56.3	47.2	---
95% C.I.	(53.4-70.5)	(56.6-78.5)	(36.5-76.2)	(29.1-65.4)	---
85+	42	24	10	8	0
Rate*	59.6	56.0	69.4	---	---
95% C.I.	(41.6-77.6)	(33.6-78.4)	(26.4-112.4)	---	---
Unknown	0	0	0	0	0

* Rates are per 100,000 age-specific population.

Note: The "----" is used for rates calculated on numbers less than ten. Caution should be used when comparing inpatient hospital discharge data to other data sources, since it is occurrence-based data. Please see Technical Notes for more information.

Table 160. Non-Hodgkin's Lymphoma Discharges by Age Group and Gender, Nevada Residents, 1996-2000

Age Group	Gender		
	Male	Female	Total
<1	0	1	1
Rate*	---	---	---
95% C.I.	---	---	---
1-4	3	3	6
Rate*	---	---	---
95% C.I.	---	---	---
5-14	5	10	15
Rate*	---	1.6	1.1
95% C.I.	---	(0.6-2.5)	(0.6-1.7)
15-24	11	9	20
Rate*	1.7	---	1.6
95% C.I.	(0.7-2.6)	---	(0.9-2.2)
25-34	33	21	54
Rate*	4.4	3.1	3.8
95% C.I.	(2.9-5.9)	(1.7-4.4)	(2.8-4.8)
35-44	49	12	61
Rate*	6.3	1.7	4.1
95% C.I.	(4.6-8.1)	(0.7-2.6)	(3.1-5.1)
45-54	69	53	122
Rate*	11.3	8.9	10.1
95% C.I.	(8.6-13.9)	(6.5-11.3)	(8.3-11.9)
55-64	109	69	178
Rate*	25.4	16.0	20.7
95% C.I.	(20.7-30.2)	(12.2-19.7)	(17.6-23.7)
65-74	161	103	264
Rate*	52.7	32.8	42.6
95% C.I.	(44.5-60.8)	(26.5-39.1)	(37.4-47.7)
75-84	98	105	203
Rate*	66.5	58.2	61.9
95% C.I.	(53.3-79.6)	(47.1-69.4)	(53.4-70.5)
85+	15	27	42
Rate*	66.2	56.5	59.6
95% C.I.	(32.7-99.6)	(35.2-77.8)	(41.6-77.6)
Unknown	0	0	0
Total	553	413	966
Rate*	11.7	9.0	10.4
95% C.I.	(10.7-12.7)	(8.2-9.9)	(9.7-11.0)

* Rates are per 100,000 age-specific population.

Note: The "----" is used for rates calculated on numbers less than ten. Caution should be used when comparing inpatient hospital discharge data to other data sources, since it is occurrence-based data. Please see Technical Notes for more information.

Table 161. Non-Hodgkin’s Lymphoma Discharges by County/Region of Residence, Nevada Residents, 1996-2000

County of Residence	1996-2000 Inpatient Hospital Discharges				
	Number	Rate*		Age-Adjusted Rate**	
		Rate	95% C.I.	Rate	95% C.I.
Carson City	29	11.8	(7.5-16.1)	10.0	(6.7-14.6)
Churchill	23	19.5	(11.5-27.5)	20.2	(12.8-30.9)
Clark	662	10.5	(9.7-11.3)	11.7	(10.8-12.6)
Douglas	14	7.0	(3.3-10.7)	6.5	(3.4-11.9)
Elko	4	---	---	---	---
Esmeralda	0	---	---	---	---
Eureka	0	---	---	---	---
Humboldt	7	---	---	---	---
Lander	0	---	---	---	---
Lincoln	1	---	---	---	---
Lyon	28	17.3	(10.9-23.7)	15.6	(10.3-23.2)
Mineral	3	---	---	---	---
Nye	27	18.2	(11.3-25.1)	14.8	(9.4-23.3)
Pershing	3	---	---	---	---
Storey	0	---	---	---	---
Washoe	164	10.0	(8.5-11.5)	11.2	(9.5-13.1)
White Pine	1	---	---	---	---
Unknown	0	---	---	---	---
Total	966	10.4	(9.7-11.0)	11.3	(10.6-12.1)

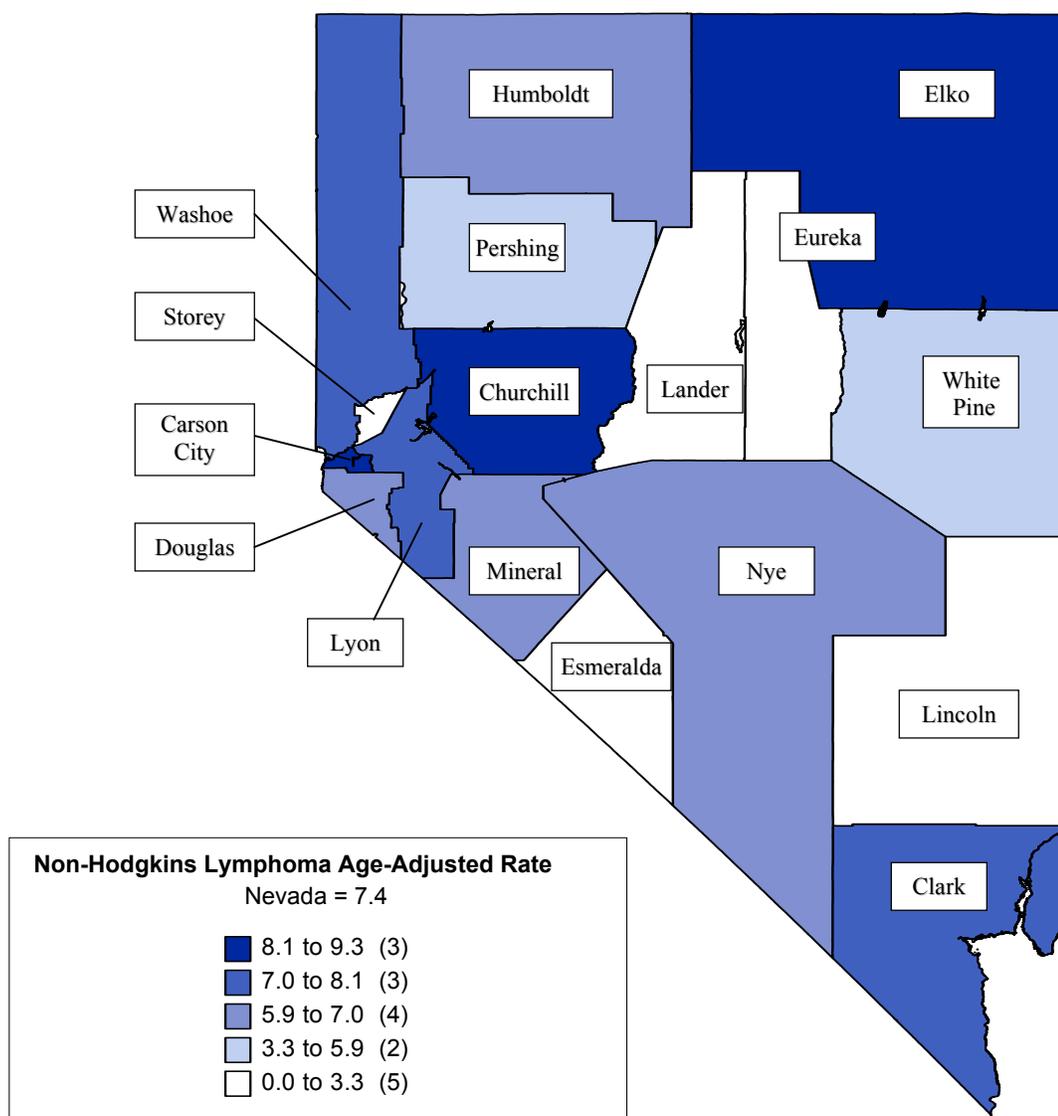
Note: The “---“ is used for rates calculated on numbers less than ten. *Rates are per 100,000 population. **Rates are per 100,000 population and are age-adjusted to the 2000 US Standard population.

Table 162. Non-Hodgkin’s Lymphoma Discharges by Age Group, Charges and Length of Stay, Nevada Residents, 1996-2000

Age Group	Discharges	Charges (\$)			Length of Stay (Days)		
		Total	Average	Median	Total	Average	Median
<1	1	---	---	---	---	---	---
1-4	6	365,693	60,949	33,537	64	10.7	7.0
5-14	15	768,799	51,253	46,479	155	10.3	8.0
15-24	20	2,087,493	104,375	36,043	332	16.6	9.5
25-34	54	2,520,021	46,667	32,897	648	12.0	7.0
35-44	61	2,988,784	48,996	21,100	638	10.5	6.0
45-54	122	4,361,742	35,752	25,295	1,067	8.7	6.0
55-64	178	6,195,907	34,808	20,935	1,559	8.8	6.0
65-74	264	8,977,281	34,005	21,095	2,337	8.9	6.0
75-84	203	6,047,647	29,791	20,039	1,674	8.2	7.0
85+	42	976,664	23,254	15,266	313	7.5	5.5
Unknown	0	---	---	---	---	---	---
Total	966	35,296,828	36,539	21,406	8,789	9.1	6.0

MORTALITY

Figure 109. Non-Hodgkin’s Lymphoma Age-Adjusted (2000) Mortality Rates, Nevada Residents, 1996-2000



Note: Rates are per 100,000 population and age-adjusted to 2000 US Standard population. Caution should be used when interpreting rates based upon small numbers. See Technical notes for more information.

Figure 110. Non-Hodgkin’s Lymphoma Age-Adjusted Mortality Rates by County/Region of Residence, Nevada Residents, 1996-2000

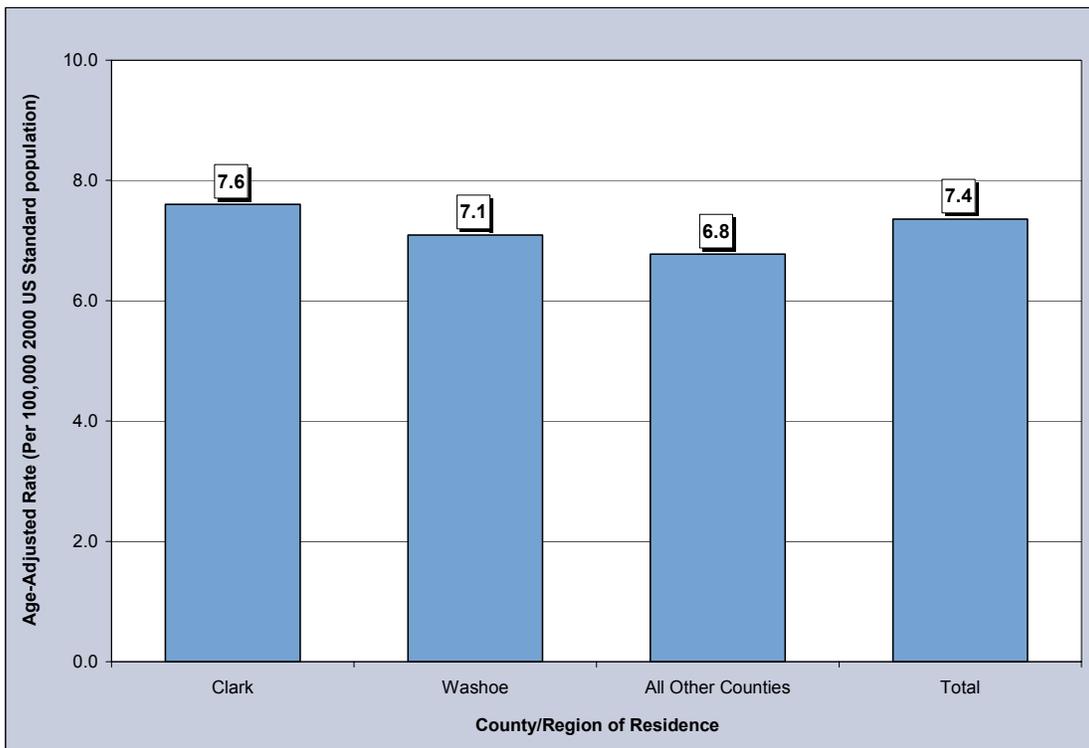


Figure 111. Non-Hodgkin’s Lymphoma Age-Adjusted Mortality Rates by Race/Ethnicity, Nevada Residents, 1996-2000

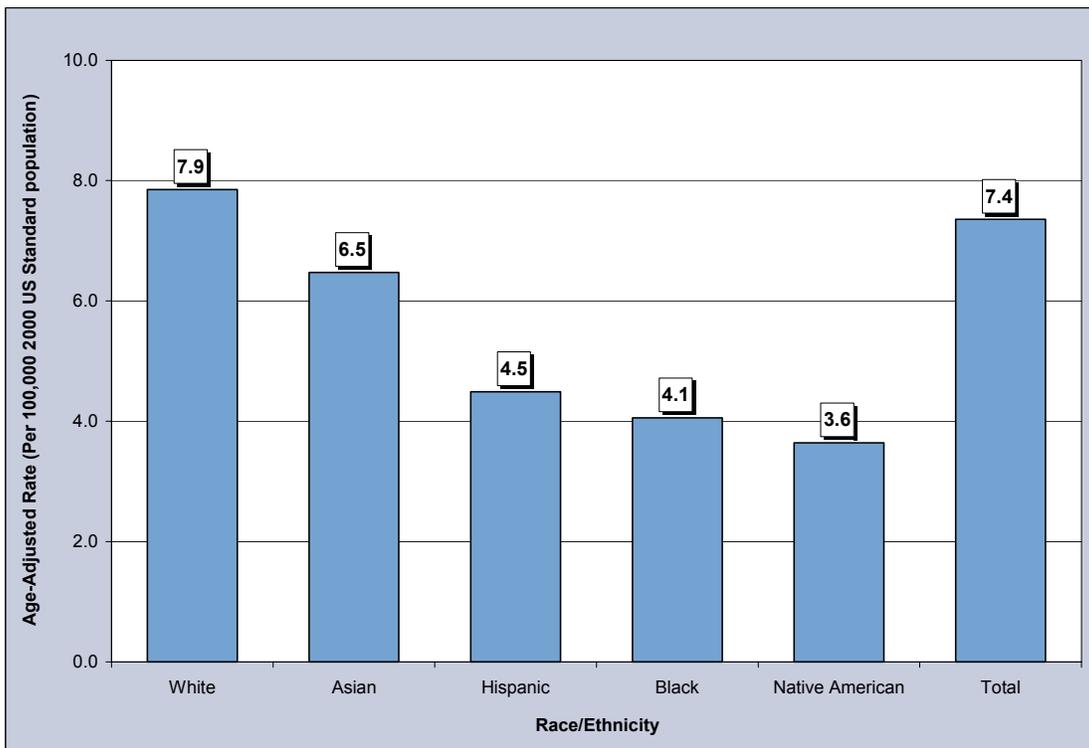


Table 163. Non-Hodgkin's Lymphoma Mortality by Gender, Race/Ethnicity and County/Region of Residence, Nevada Residents, 1996-2000

Category	County/Region of Residence			
	Nevada Total	Clark	Washoe	All Other Counties
Total				
Mortality	587	395	100	92
Rate*	7.4	7.6	7.1	6.8
95% C.I.	(6.8-8.0)	(6.8-8.4)	(5.7-8.7)	(5.4-8.4)
Gender				
Male	340	223	56	61
Rate*	9.3	9.4	8.9	9.4
95% C.I.	(8.3-10.5)	(8.1-10.9)	(6.5-12.1)	(7.1-12.5)
Female	247	172	44	31
Rate*	5.8	6.2	5.9	4.4
95% C.I.	(5.1-6.6)	(5.3-7.2)	(4.2-7.9)	(3.0-6.3)
Other/Unknown	0	0	0	0
Race/Ethnicity				
White	526	348	92	86
Rate*	7.9	8.3	7.4	6.9
95% C.I.	(7.2-8.6)	(7.4-9.3)	(5.9-9.1)	(5.5-8.6)
Black	16	15	1	0
Rate*	4.1	4.1	---	---
95% C.I.	(2.2-7.3)	(2.2-7.7)	---	---
Native American	3	0	1	2
Rate*	---	---	---	---
95% C.I.	---	---	---	---
Asian	19	17	1	1
Rate*	6.5	7.0	---	---
95% C.I.	(3.7-12.9)	(3.9-15.2)	---	---
Hispanic	22	14	5	3
Rate*	4.5	4.1	---	---
95% C.I.	(2.6-7.8)	(2.0-8.2)	---	---
Other/Unknown	1	1	0	0

Note: The "—" is used for rates calculated on numbers less than ten.

*Rates are per 100,000 population and are age-adjusted to the 2000 US Standard population.

Table 164. Non-Hodgkin’s Lymphoma Mortality by Age Group and County/Region of Residence, Nevada Residents, 1996-2000

Category	County/Region of Residence			
	Nevada Total	Clark	Washoe	All Other Counties
Total				
Mortality	587	395	100	92
Rate*	6.3	6.3	6.1	6.7
95% C.I.	(5.8-6.8)	(5.7-6.9)	(4.9-7.3)	(5.3-8.1)
Age Group				
<1	0	0	0	0
Rate*	---	---	---	---
95% C.I.	---	---	---	---
1-4	0	0	0	0
Rate*	---	---	---	---
95% C.I.	---	---	---	---
5-14	1	1	0	0
Rate*	---	---	---	---
95% C.I.	---	---	---	---
15-24	3	3	0	0
Rate*	---	---	---	---
95% C.I.	---	---	---	---
25-34	12	9	2	1
Rate*	0.8	---	---	---
95% C.I.	(0.4-1.3)	---	---	---
35-44	22	14	6	2
Rate*	1.5	1.4	---	---
95% C.I.	(0.9-2.1)	(0.7-2.2)	---	---
45-54	59	39	7	13
Rate*	4.9	4.9	---	6.8
95% C.I.	(3.6-6.1)	(3.4-6.5)	---	(3.1-10.4)
55-64	91	51	22	18
Rate*	10.6	8.8	15.6	13.0
95% C.I.	(8.4-12.7)	(6.4-11.2)	(9.1-22.1)	(7.0-19.1)
65-74	167	107	32	28
Rate*	26.9	25.8	31.7	26.8
95% C.I.	(22.9-31.0)	(20.9-30.7)	(20.7-42.7)	(16.9-36.7)
75-84	181	138	22	21
Rate*	55.2	63.8	40.0	37.2
95% C.I.	(47.2-63.3)	(53.2-74.5)	(23.3-56.7)	(21.3-53.1)
85+	51	33	9	9
Rate*	72.4	77.0	---	---
95% C.I.	(52.5-92.3)	(50.7-103.3)	---	---
Unknown	0	0	0	0

* Rates are per 100,000 age-specific population.
 Note: The “---” is used for rates calculated on numbers less than ten.

Table 165. Non-Hodgkin’s Lymphoma Mortality by County of Residence, Nevada Residents, 1996-2000

County of Residence	1996-2000 Mortality				
	Cases	Rate*		Age-Adjusted Rate**	
		Rate	95% C.I.	Rate	95% C.I.
Carson City	24	9.8	(5.9-13.7)	8.7	(5.6-13.2)
Churchill	9	---	---	---	---
Clark	395	6.3	(5.7-6.9)	7.6	(6.8-8.4)
Douglas	13	6.5	(3.0-10.0)	6.7	(3.4-12.6)
Elko	11	4.8	(2.0-7.6)	9.3	(4.3-18.4)
Esmeralda	0	---	---	---	---
Eureka	0	---	---	---	---
Humboldt	4	---	---	---	---
Lander	0	---	---	---	---
Lincoln	0	---	---	---	---
Lyon	14	8.7	(4.1-13.2)	7.2	(3.9-12.9)
Mineral	2	---	---	---	---
Nye	12	8.1	(3.5-12.7)	6.7	(3.2-13.6)
Pershing	1	---	---	---	---
Storey	0	---	---	---	---
Washoe	100	6.1	(4.9-7.3)	7.1	(5.7-8.7)
White Pine	2	---	---	---	---
Unknown	0	---	---	---	---
Total	587	6.3	(5.8-6.8)	7.4	(6.8-8.0)

Note: The “---“ is used for rates calculated on numbers less than ten. *Rates are per 100,000 population. **Rates are per 100,000 population and are age-adjusted to the 2000 US Standard population.

Table 166. Non-Hodgkin’s Lymphoma Mortality by Race/Ethnicity and Gender, Nevada Residents, 1996-2000

Race/Ethnicity	Gender			
	Male	Female	Total	
White	Mortality	309	217	526
	Rate*	10.1	6.1	7.9
	95% C.I.	(8.9-11.4)	(5.3-6.9)	(7.2-8.6)
Black	Mortality	7	9	16
	Rate*	---	---	4.1
	95% C.I.	---	---	(2.2-7.3)
Native American	Mortality	1	2	3
	Rate*	---	---	---
	95% C.I.	---	---	---
Asian	Mortality	11	8	19
	Rate*	8.0	---	6.5
	95% C.I.	(3.7-21.5)	---	(3.7-12.9)
Hispanic	Mortality	11	11	22
	Rate*	2.9	5.3	4.5
	95% C.I.	(1.2-9.1)	(2.5-10.4)	(2.6-7.8)
Other/Unknown	Mortality	1	0	1
	Rate*	---	---	---
	95% C.I.	---	---	---
Total	Mortality	340	247	587
	Rate*	9.3	5.8	7.4
	95% C.I.	(8.3-10.5)	(5.1-6.6)	(6.8-8.0)

Note: The “---“ is used for rates calculated on numbers less than ten. *Rates are per 100,000 population and are age-adjusted to the 2000 US Standard population.

Table 167. Non-Hodgkin's Lymphoma Mortality by Age Group and Gender, Nevada Residents, 1996-2000

Age Group	Gender		
	Male	Female	Total
<1	0	0	0
Rate*	---	---	---
95% C.I.	---	---	---
1-4	0	0	0
Rate*	---	---	---
95% C.I.	---	---	---
5-14	1	0	1
Rate*	---	---	---
95% C.I.	---	---	---
15-24	3	0	3
Rate*	---	---	---
95% C.I.	---	---	---
25-34	9	3	12
Rate*	---	---	0.8
95% C.I.	---	---	(0.4-1.3)
35-44	16	6	22
Rate*	2.1	---	1.5
95% C.I.	(1.1-3.1)	---	(0.9-2.1)
45-54	35	24	59
Rate*	5.7	4.0	4.9
95% C.I.	(3.8-7.6)	(2.4-5.6)	(3.6-6.1)
55-64	52	39	91
Rate*	12.1	9.0	10.6
95% C.I.	(8.8-15.4)	(6.2-11.9)	(8.4-12.7)
65-74	98	69	167
Rate*	32.1	22.0	26.9
95% C.I.	(25.7-38.4)	(16.8-27.1)	(22.9-31.0)
75-84	101	80	181
Rate*	68.5	44.4	55.2
95% C.I.	(55.1-81.8)	(34.7-54.1)	(47.2-63.3)
85+	25	26	51
Rate*	110.3	54.4	72.4
95% C.I.	(67.0-153.5)	(33.5-75.3)	(52.5-92.3)
Unknown	0	0	0
Total	340	247	587
Rate*	7.2	5.4	6.3
95% C.I.	(6.4-8.0)	(4.7-6.1)	(5.8-6.8)

* Rates are per 100,000 age-specific population.

Note: The "—" is used for rates calculated on numbers less than ten.

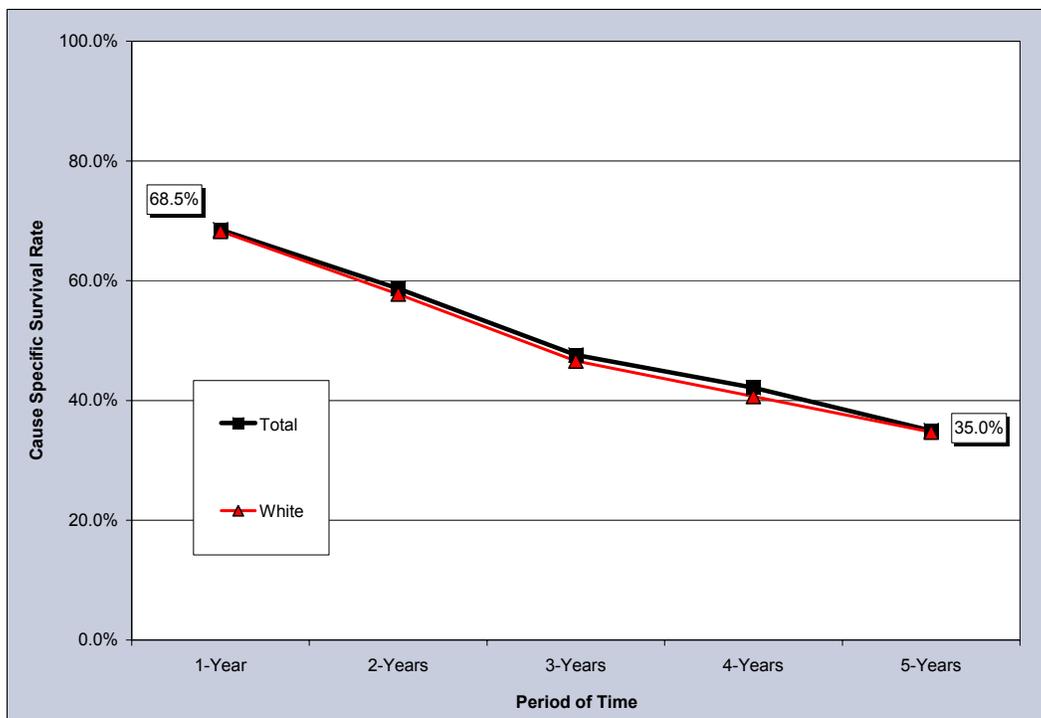
Table 168. Median Age at Death from Non-Hodgkin's Lymphoma by Race/Ethnicity and Gender, Nevada Residents, 1996-2000

Race/Ethnicity	Gender					
	Male		Female		Total	
	Deaths	Median Age	Deaths	Median Age	Deaths	Median Age
White	309	71.0	217	72.0	526	72.0
Black	7	70.0	9	63.0	16	66.5
Native American	1	---	2	---	3	---
Asian	11	69.0	8	74.5	19	73.0
Hispanic	11	54.0	11	77.0	22	66.5
Other/Unknown	1	---	0	---	1	---
Total	340	70.0	247	72.0	587	72.0

Note: Those cases of other/unknown gender and/or unknown ages are not included in this table. The median age was not calculated for those numbers less than five.

SURVIVAL RATE

Figure 112. Survival Rates for Non-Hodgkin’s Lymphoma by Race/Ethnicity, Nevada Residents, 1996-2000



Notes: The survival rate for those racial/ethnic groups not included in this chart could not be calculated due to small cell size.

Figure 113. Survival Rates for Non-Hodgkin’s Lymphoma by Stage of Cancer at Diagnosis, Nevada Residents, 1996-2000

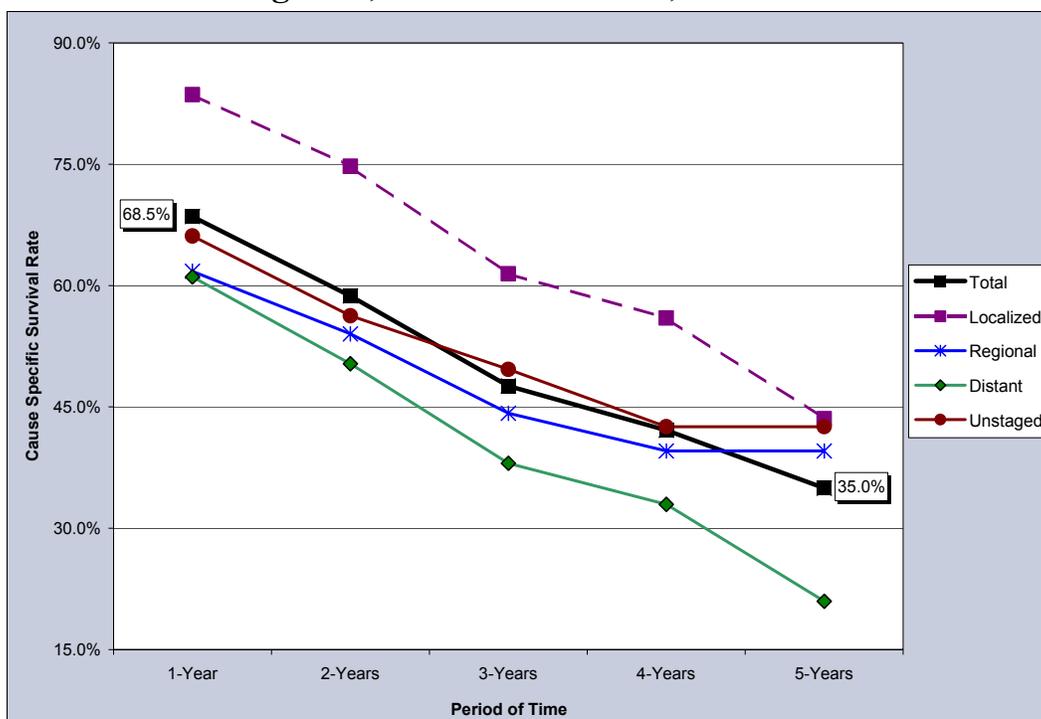


Table 169. Cause-Specific Survival Rates for Non-Hodgkin's Lymphoma by Race/Ethnicity and Gender, Nevada Residents, 1996-2000

Race/ Ethnicity and Gender	Number of Cases	Cause Specific Survival Rate					Median Survival Time (years)
		One Year	Two Years	Three Years	Four Years	Five Years	
Total	845	68.5%	58.7%	47.6%	42.1%	35.0%	2.78
Male	482	68.8%	57.6%	49.2%	43.9%	37.9%	2.90
Female	362	68.1%	60.2%	45.3%	39.5%	30.7%	2.68
Race/Ethnicity							
White	744	68.3%	57.8%	46.6%	40.7%	34.7%	2.70
Male	420	67.5%	55.7%	47.3%	41.5%	34.9%	2.68
Female	323	69.1%	60.5%	45.5%	39.3%	34.4%	2.70
Black	28	---	---	---	---	---	---
Male	15	---	---	---	---	---	---
Female	13	---	---	---	---	---	---
Native American	3	---	---	---	---	---	---
Male	2	---	---	---	---	---	---
Female	1	---	---	---	---	---	---
Asian	26	---	---	---	---	---	---
Male	15	---	---	---	---	---	---
Female	11	---	---	---	---	---	---
Hispanic	40	---	---	---	---	---	---
Male	27	---	---	---	---	---	---
Female	13	---	---	---	---	---	---

Notes: 1) The "----" indicates that survival rate could not be calculated due to small cell size. Caution should be used when interpreting survival rates based upon categories with a small number of cases. 2) Those cases where the gender and/or race/ethnicity were other/unknown, are not shown separately, but are included in the category totals. 3) These rates may not be directly comparable to National rates because of different methodologies. Caution should be used when trying to compare rates for Nevada and the Nation. For more information on the calculation of survival rates, please refer to Technical Notes section.

Table 170. Cause-Specific Survival Rates for Non-Hodgkin's Lymphoma by Stage of Cancer at Diagnosis and Gender, Nevada Residents, 1996-2000

Survival Rate of Stage at Diagnosis		Gender		
		Total	Male	Female
Total	Cases	845	482	362
	One Year	68.5%	68.8%	68.1%
	5 Years	35.0%	37.9%	30.7%
	Median Survival	2.78	2.90	2.68
Stage at Diagnosis				
In situ	Cases	0	0	0
	One Year	---	---	---
	5 Years	---	---	---
	Median Survival	---	---	---
Localized	Cases	248	127	121
	One Year	83.6%	84.2%	83.0%
	5 Years	43.6%	42.2%	44.9%
	Median Survival	4.48	4.35	4.60
Regional	Cases	84	57	27
	One Year	61.8%	62.2%	60.9%
	5 Years	39.6%	46.3%	31.6%
	Median Survival	2.41	2.68	1.85
Distant	Cases	312	180	131
	One Year	61.1%	62.7%	58.5%
	5 Years	21.0%	28.3%	8.1%
	Median Survival	2.03	1.93	2.09
Unstaged	Cases	201	118	83
	One Year	66.1%	66.0%	66.4%
	5 Years	42.6%	43.1%	42.9%
	Median Survival	2.95	3.27	2.51

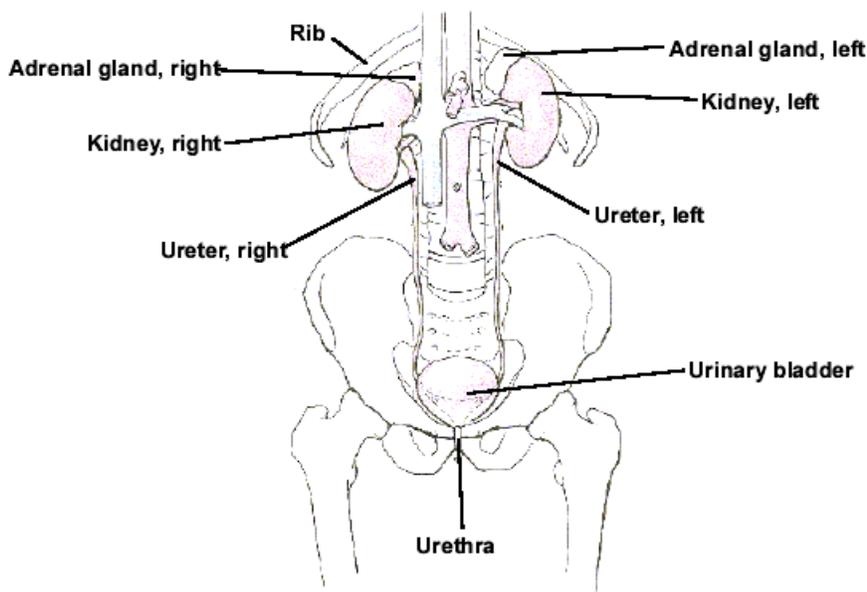
Notes: 1) The "---" indicates that survival rate could not be calculated due to small cell size. Caution should be used when interpreting survival rates based upon categories with a small number of cases. 2) These rates may not be directly comparable to National rates because of different methodologies. Caution should be used when trying to compare rates for Nevada and the Nation. For more information on the calculation of survival rates, please refer to Technical Notes section.

KIDNEY AND RENAL PELVIS CANCER

KIDNEY AND RENAL PELVIS CANCER

GENERAL PROFILE⁴

Figure 114. Anatomy of the Urinary System⁵



General Anatomy: The kidneys are two reddish-brown, bean-shaped organs located just above the waist, one on each side of the spine. They are part of the urinary system. Their main function is to filter blood and produce urine to rid the body of waste. As blood flows through the kidneys, they remove waste products and unneeded water. The resulting liquid, urine, collects in the middle of each kidney in an area called the renal pelvis. Urine drains from each kidney through a long tube, the ureter, into the bladder, where it is stored. Urine leaves the body through another tube, called the urethra. The kidneys also produce substances that help control blood pressure and regulate the formation of red blood cells.

Risk Factors: Tobacco use, obesity, occupational exposure, radiation, phenacetin (prolonged heavy use of this painkiller), dialysis, and Von Hippel-Lindau (VHL) disease.

Signs and Symptoms: Blood in the urine, a lump or mass in the kidney area, and other less common symptoms may include: fatigue, loss of appetite, weight loss, recurrent fevers, a pain in the side that doesn't go away, or a general feeling of poor health.

Diagnosing the Cancer: Health exams, intravenous pyelogram (IVP), arteriography, computed tomography (CAT) scan, magnetic resonance imaging (MRI), and ultrasonography.

Treatment: Surgery (Simple or Radical Nephrectomy), arterial embolization, radiation therapy, biological therapy, chemotherapy, and hormone therapy.

HIGHLIGHTS

- The ratio of the age-adjusted incidence rate, 11.4, to the age-adjusted mortality rate, 3.9 (per 100,000 – 2000 US Standard population), for Kidney and Renal Pelvis Cancer was 2.90 during the 1996 to 2000 period, which means that for every 2.90 Kidney and Renal Pelvis Cancer cases during this period, there was one death caused by this type of cancer in Nevada.
- Nevadan females had a higher ratio than males when the age-adjusted incidence and age-adjusted mortality rates for Kidney and Renal Pelvis Cancer were compared. For every female death due to this type of cancer there was 3.43 female cases while there were 2.64 male cases for every male Kidney and Renal Pelvis Cancer death in Nevada from 1996 to 2000.
- The median age at diagnosis of Kidney and Renal Pelvis Cancer for Nevada residents and females was 65 years of age from 1996 to 2000 while the median age for males was 64 years. The median age at time of death due to Kidney and Renal Pelvis Cancer was 70 years for Nevada overall, 68 years of age for males and 73 years of age for females.

INCIDENCE

- There were 995 cases of Kidney and Renal Pelvis Cancer in Nevada from 1996 to 2000. Nevada's Incidence rate for Kidney and Renal Pelvis Cancer (11.4) was only slightly higher than the National rate of 10.8 (per 100,000 – 2000 US Standard population) from 1996 to 2000. Regional comparisons showed little variation between Washoe County (12.3), All Other Counties (12.1) and Clark County (11.0) from 1996 to 2000. None of these differences were found to be statistically significant different from the National rate of 10.8 (per 100,000 – 2000 US Standard population).
- The higher age-adjusted incidence rate for male Kidney and Renal Pelvis Cancer, 15.1 (13.9-16.5), was statistically significant over the female rate of 8.0 (7.1-8.8), per 100,000 – 2000 US Standard population, during the 1996 to 2000 period.
- Blacks had the highest age-adjusted incidence rate, 13.0, for Kidney and Renal Pelvis Cancer of all racial/ethnic groups and were followed by Whites, Hispanics and Asians with rates of 12.1, 7.4 and 3.8 (per 100,000 – 2000 US Standard population), respectively, during the 1996 to 2000 period.
- The median age at diagnosis for Hispanics (56 years) was the lowest of any racial/ethnic group and was significantly lower than the statewide median age of 65 years for the 1996 to 2000 period.

INPATIENT HOSPITAL DISCHARGES

- There were 842 hospital inpatient discharges for a primary diagnosis of Kidney and Renal Pelvis Cancer to Nevada Residents from 1996 to 2000. Regional comparisons

showed little difference between the age-adjusted inpatient discharge rates between All Other Counties (9.8), Clark County (9.7) and Washoe County (8.7, per 100,000 – 2000 US Standard population).

- Total billed charges for Kidney and Renal Pelvis Cancer inpatient hospital discharges in Nevada totaled nearly 24 million dollars from 1996 to 2000. The overall average billed charge per day for a hospital inpatient discharge due to this type of cancer was approximately \$4,300 in Nevada from 1996 to 2000.
- Washoe County had the highest median total billed amount (\$26,792), while the statewide median billed amount was \$21,442 from 1996 to 2000; with Clark County and All Other Counties with median billed amounts of \$21,482 and \$17,839.

MORTALITY

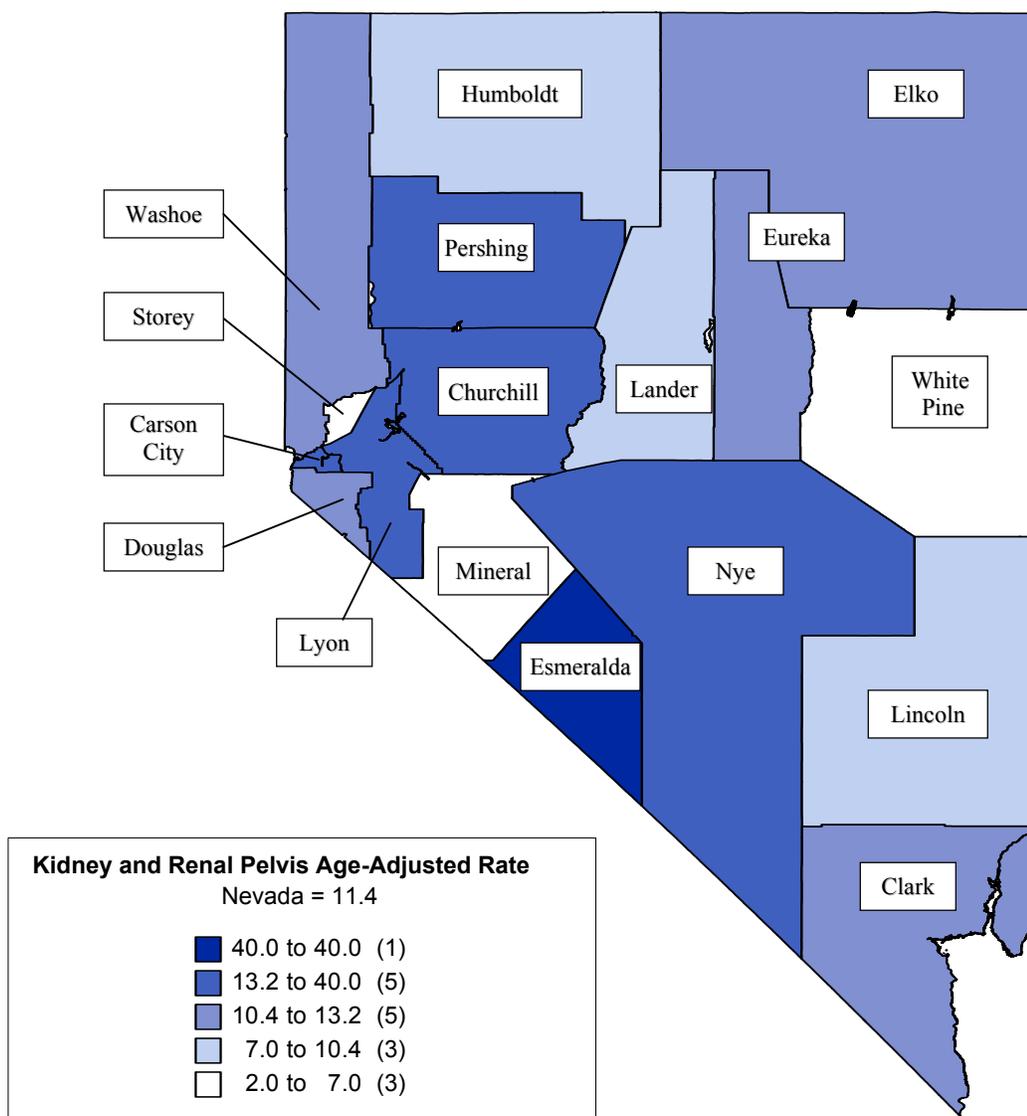
- There were 326 resident deaths due to Kidney and Renal Pelvis Cancer from 1996 to 2000. Males had a statistically significant age-adjusted mortality rate, 5.7 (5.0-6.6), more than double the female rate of 2.3 (1.9-2.8), per 100,000 – 2000 US Standard population, during this period.
- Blacks, as a racial/ethnic group, had the highest age-adjusted mortality rate for Kidney and Renal Pelvis Cancer of any racial/ethnic group, 30.0, and were followed by Whites, Asians, Native Americans, and Hispanics with rates of 23.7, 12.5, 12.0, and 11.3, (per 100,000 – 2000 US Standard population) respectively, from 1996 to 2000.
- Males had a median age at death from Kidney and Renal Pelvis Cancer five years earlier than females in Nevada from 1996 to 2000 with a median age at death of 68 and 73 years, respectively.

SURVIVAL RATE

- The one-year survival rate for Kidney and Renal Pelvis Cancer in Nevada was 71.4% during the 1996 to 2000 period, while the five-year survival rate was 51.3% during this same time. The median survival rate in Nevada was greater than five years for Kidney and Renal Pelvis Cancer.
- Females in Nevada had a slightly higher one-year survival rate (73.5%) than males (70.3%) for Kidney and Renal Pelvis Cancer during the 1996 to 2000 period. This trend continued for the five-year survival rate with females and males at 55.0% and 50.0%, respectively. Both males and females had median survival times of over five years.
- The Kidney and Renal Pelvis Cancer Survival rate varies greatly by the stage of the cancer at time of diagnosis. Those diagnosed at the localized stage had the highest one- and five-year survival rates with 95.3% and 86.8%, respectively. This was followed by those with regional and then distant diagnoses with rates of 66.7% and 24.9% for the one year period and 25.3% and 5.2% for the five year period.

INCIDENCE

Figure 115. Kidney and Renal Pelvis Cancer Age-Adjusted (2000) Incidence Rates, Nevada Residents, 1996-2000



Note: Rates are per 100,000 population and age-adjusted to 2000 US Standard population. Caution should be used when interpreting rates based upon small numbers. See Technical notes for more information.

Figure 116. Kidney and Renal Pelvis Cancer Age-Adjusted Incidence Rates by County/Region of Residence, Nevada Residents, 1996-2000

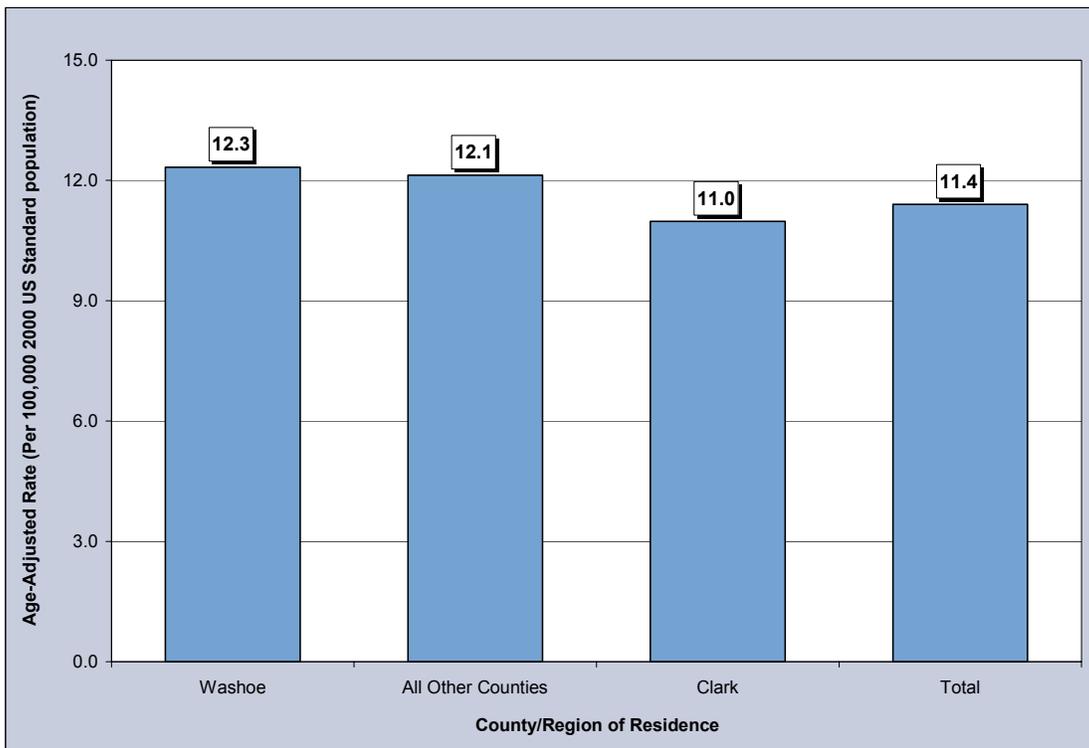


Figure 117. Kidney and Renal Pelvis Cancer Age-Adjusted Incidence Rates by Race/Ethnicity, Nevada Residents, 1996-2000

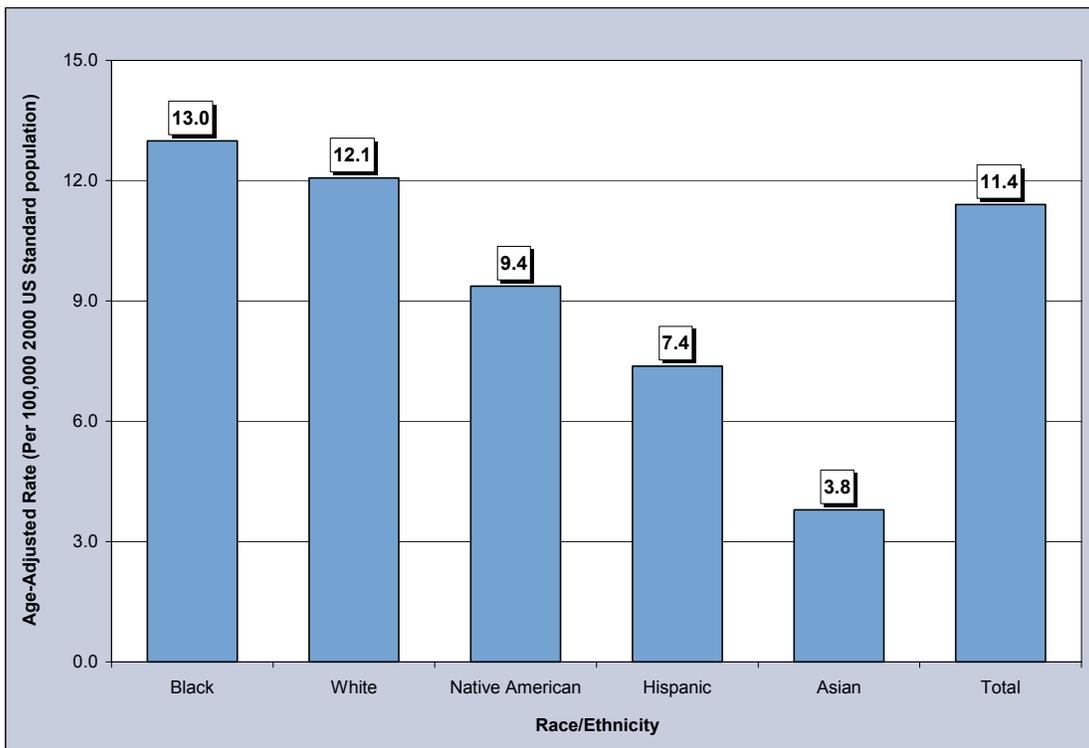


Table 171. Kidney and Renal Pelvis Cancer Cases by Gender, Race/Ethnicity and County/Region of Residence at Diagnosis, Nevada Residents (1996-2000) and SEER-11 (1995-1999)

Category	County/Region of Residence					SEER 11 (1995-1999)
	Nevada Total	Clark	Washoe	All Other Counties	Unknown	
Total						
Cases	995	637	182	175	1	18,150
Rate*	11.4	11.0	12.3	12.1	---	10.8
95% C.I.	(10.7-12.2)	(10.1-11.9)	(10.6-14.3)	(10.4-14.1)	---	(10.6-10.9)
Gender						
Male	641	408	117	115	1	11,142
Rate*	15.1	14.4	16.9	15.9	---	14.9
95% C.I.	(13.9-16.5)	(13.0-16.0)	(13.8-20.8)	(13.1-19.4)	---	(14.7-15.2)
Female	354	229	65	60	0	7,008
Rate*	8.0	7.8	8.5	8.3	---	7.5
95% C.I.	(7.1-8.8)	(6.8-8.9)	(6.6-10.9)	(6.4-10.8)	---	(7.3-7.7)
Other/Unknown	0	0	0	0	0	0
Race/Ethnicity						
White	862	529	171	161	1	15,107
Rate*	12.1	11.6	13.3	12.3	---	11.0
95% C.I.	(11.3-12.9)	(10.6-12.7)	(11.4-15.5)	(10.5-14.5)	---	(10.9-11.2)
Black	59	55	2	2	0	1,838
Rate*	13.0	13.2	---	---	---	12.6
95% C.I.	(9.7-17.5)	(9.7-18.0)	---	---	---	(12.0-13.2)
Native American	8	1	3	4	0	92
Rate*	---	---	---	---	---	7.9
95% C.I.	---	---	---	---	---	(6.3-6.3)
Asian	15	13	2	0	0	1,017
Rate*	3.8	4.1	---	---	---	6.5
95% C.I.	(2.0-9.6)	(2.1-11.6)	---	---	---	(6.1-6.9)
Hispanic	49	37	4	8	0	1,717
Rate*	7.4	8.0	---	---	---	9.7
95% C.I.	(5.2-10.7)	(5.3-12.5)	---	---	---	(9.2-10.2)
Other/Unknown	2	2	0	0	0	96

* Rates are per 100,000 population and are age-adjusted to the 2000 US Standard population.

Note: The “---” is used for rates calculated on numbers less than ten and SEER numbers less than five. Caution should be used when comparing rates for racial/ethnic groups to the National (SEER) rates. See Technical Notes for more information.

Table 172. Kidney and Renal Pelvis Cancer Cases by Age Group and County/Region of Residence at Diagnosis, Nevada Residents (1996-2000) and SEER-11 (1995-1999)

Category	County/Region of Residence					SEER 11 (1995-1999)
	Nevada Total	Clark	Washoe	All Other Counties	Unknown	
Total						
Cases	995	637	182	175	1	18,150
Rate*	10.7	10.1	11.1	12.8	---	9.8
95% C.I.	(10.0-11.4)	(9.3-10.9)	(9.5-12.7)	(10.9-14.7)	---	(9.7-9.9)
Age Group						
<1	0	0	0	0	0	52
Rate*	---	---	---	---	---	1.9
95% C.I.	---	---	---	---	---	(1.4-2.4)
1-4	9	7	2	0	0	227
Rate*	---	---	---	---	---	2.0
95% C.I.	---	---	---	---	---	(1.8-2.3)
5-14	2	1	1	0	0	84
Rate*	---	---	---	---	---	0.3
95% C.I.	---	---	---	---	---	(0.2-0.4)
15-24	3	2	0	0	1	47
Rate*	---	---	---	---	---	0.2
95% C.I.	---	---	---	---	---	(0.1-0.2)
25-34	11	9	0	2	0	225
Rate*	0.8	---	---	---	---	0.8
95% C.I.	(0.3-1.2)	---	---	---	---	(0.7-0.9)
35-44	56	32	13	11	0	1,115
Rate*	3.7	3.2	4.7	4.9	---	3.6
95% C.I.	(2.8-4.7)	(2.1-4.4)	(2.1-7.2)	(2.0-7.8)	---	(3.4-3.8)
45-54	156	91	35	30	0	2,709
Rate*	12.9	11.5	15.6	15.6	---	11.8
95% C.I.	(10.9-14.9)	(9.1-13.8)	(10.4-20.7)	(10.0-21.2)	---	(11.4-12.3)
55-64	260	173	36	51	0	3,939
Rate*	30.2	29.8	25.4	37.0	---	28.1
95% C.I.	(26.5-33.9)	(25.3-34.2)	(17.1-33.8)	(26.8-47.1)	---	(27.3-29.0)
65-74	292	194	52	46	0	5,032
Rate*	47.1	46.8	51.6	44.0	---	43.6
95% C.I.	(41.7-52.5)	(40.2-53.4)	(37.5-65.6)	(31.3-56.7)	---	(42.4-44.8)
75-84	177	109	37	31	0	3,687
Rate*	54.0	50.4	67.2	54.9	---	50.7
95% C.I.	(46.0-62.0)	(40.9-59.9)	(45.6-88.9)	(35.6-74.2)	---	(49.1-52.4)
85+	29	19	6	4	0	1,033
Rate*	41.2	44.4	---	---	---	41.7
95% C.I.	(26.2-56.1)	(24.4-64.3)	---	---	---	(39.1-44.2)
Unknown	0	0	0	0	0	0

* Rates are per 100,000 age-specific population.

Note: The "----" is used for rates calculated on numbers less than ten and SEER numbers less than five. See Technical Notes for more information.

Table 173. Kidney and Renal Pelvis Cancer Cases by County of Residence at Diagnosis, Nevada Residents, 1996-2000

County of Residence at Diagnosis	1996-2000 Incidence				
	Cases	Rate*		Age-Adjusted Rate**	
		Rate	95% C.I.	Rate	95% C.I.
Carson City	37	15.1	(10.2-20.0)	13.3	(9.3-18.5)
Churchill	18	15.3	(8.2-22.3)	15.9	(9.4-25.7)
Clark	637	10.1	(9.3-10.9)	11.0	(10.1-11.9)
Douglas	26	13.0	(8.0-18.0)	10.4	(6.8-16.2)
Elko	16	7.0	(3.6-10.4)	11.8	(6.4-20.9)
Esmeralda	3	---	---	---	---
Eureka	1	---	---	---	---
Humboldt	5	---	---	---	---
Lander	3	---	---	---	---
Lincoln	2	---	---	---	---
Lyon	28	17.3	(10.9-23.7)	15.4	(10.2-22.9)
Mineral	1	---	---	---	---
Nye	29	19.5	(12.4-26.6)	13.7	(9.0-21.4)
Pershing	4	---	---	---	---
Storey	1	---	---	---	---
Washoe	182	11.1	(9.5-12.7)	12.3	(10.6-14.3)
White Pine	1	---	---	---	---
Unknown	1	---	---	---	---
Total	995	10.7	(10.0-11.4)	11.4	(10.7-12.2)

Note: The “---“ is used for rates calculated on numbers less than ten. *Rates are per 100,000 population. **Rates are per 100,000 population and are age-adjusted to the 2000 US Standard population.

Table 174. Kidney and Renal Pelvis Cancer Cases by Race/Ethnicity and Gender, Nevada Residents, 1996-2000

Race/Ethnicity	Gender				
	Male	Female	Other/Unknown	Total	
White	Incidence	556	306	0	862
	Rate*	15.9	8.5	---	12.1
	95% C.I.	(14.5-17.4)	(7.5-9.5)	---	(11.3-12.9)
Black	Incidence	40	19	0	59
	Rate*	18.0	8.2	---	13.0
	95% C.I.	(12.6-27.6)	(4.8-13.6)	---	(9.7-17.5)
Native American	Incidence	2	6	0	8
	Rate*	---	---	---	---
	95% C.I.	---	---	---	---
Asian	Incidence	8	7	0	15
	Rate*	---	---	---	3.8
	95% C.I.	---	---	---	(2.0-9.6)
Hispanic	Incidence	33	16	0	49
	Rate*	9.9	4.8	---	7.4
	95% C.I.	(6.5-17.0)	(2.4-9.2)	---	(5.2-10.7)
Other/Unknown	2	0	0	2	
Total	Incidence	641	354	0	995
	Rate*	15.1	8.0	---	11.4
	95% C.I.	(13.9-16.5)	(7.1-8.8)	---	(10.7-12.2)

Note: The “---“ is used for rates calculated on numbers less than ten. *Rates are per 100,000 population and are age-adjusted to the 2000 US Standard population.

Table 175. Kidney and Renal Pelvis Cancer Cases by Age Group and Gender, Nevada Residents, 1996-2000

Age Group	Gender			
	Male	Female	Other/ Unknown	Total
<1	0	0	0	0
Rate*	---	---	---	---
95% C.I.	---	---	---	---
1-4	4	5	0	9
Rate*	---	---	---	---
95% C.I.	---	---	---	---
5-14	0	2	0	2
Rate*	---	---	---	---
95% C.I.	---	---	---	---
15-24	2	1	0	3
Rate*	---	---	---	---
95% C.I.	---	---	---	---
25-34	6	5	0	11
Rate*	---	---	---	0.8
95% C.I.	---	---	---	(0.3-1.2)
35-44	35	21	0	56
Rate*	4.5	2.9	---	3.7
95% C.I.	(3.0-6.0)	(1.7-4.2)	---	(2.8-4.7)
45-54	104	52	0	156
Rate*	17.0	8.7	---	12.9
95% C.I.	(13.7-20.2)	(6.3-11.1)	---	(10.9-14.9)
55-64	174	86	0	260
Rate*	40.6	19.9	---	30.2
95% C.I.	(34.6-46.6)	(15.7-24.1)	---	(26.5-33.9)
65-74	201	91	0	292
Rate*	65.7	29.0	---	47.1
95% C.I.	(56.7-74.8)	(23.0-34.9)	---	(41.7-52.5)
75-84	102	75	0	177
Rate*	69.2	41.6	---	54.0
95% C.I.	(55.7-82.6)	(32.2-51.0)	---	(46.0-62.0)
85+	13	16	0	29
Rate*	57.3	33.5	---	41.2
95% C.I.	(26.2-88.5)	(17.1-49.9)	---	(26.2-56.1)
Unknown	0	0	0	0
Total	641	354	0	995
Rate*	13.6	7.7	---	10.7
95% C.I.	(12.5-14.6)	(6.9-8.5)	---	(10.0-11.4)

* Rates are per 100,000 age-specific population.

Note: The "----" is used for rates calculated on numbers less than ten.

Table 176. Kidney and Renal Pelvis Cancer Cases by Age Group and Stage, Nevada Residents, 1996-2000

Age Group		Stage					Total
		In situ	Localized	Regional	Distant	Unstaged	
<1	Number	0	0	0	0	0	0
	Percent	---	---	---	---	---	---
1-4	Number	0	6	1	0	2	9
	Percent	---	66.7%	11.1%	---	22.2%	100.0%
5-14	Number	0	1	0	1	0	2
	Percent	---	50.0%	---	50.0%	---	100.0%
15-24	Number	0	1	1	0	1	3
	Percent	---	33.3%	33.3%	---	33.3%	100.0%
25-34	Number	0	9	0	1	1	11
	Percent	---	81.8%	---	9.1%	9.1%	100.0%
35-44	Number	0	39	3	7	7	56
	Percent	---	69.6%	5.4%	12.5%	12.5%	100.0%
45-54	Number	0	91	22	26	17	156
	Percent	---	58.3%	14.1%	16.7%	10.9%	100.0%
55-64	Number	0	138	39	49	34	260
	Percent	---	53.1%	15.0%	18.8%	13.1%	100.0%
65-74	Number	0	162	30	52	48	292
	Percent	---	55.5%	10.3%	17.8%	16.4%	100.0%
75-84	Number	0	76	20	33	48	177
	Percent	---	42.9%	11.3%	18.6%	27.1%	100.0%
85+	Number	0	7	3	4	15	29
	Percent	---	24.1%	10.3%	13.8%	51.7%	100.0%
Unknown	Number	0	0	0	0	0	0
	Percent	---	---	---	---	---	---
Total	Number	0	530	119	173	173	995
	Percent	---	53.3%	12.0%	17.4%	17.4%	100.0%

Table 177. Kidney and Renal Pelvis Cancer Cases by Stage and Race/Ethnicity, Nevada Residents, 1996-2000

Stage		Race/Ethnicity						Total
		White	Black	Native American	Asian	Hispanic	Other/Unknown	
In situ	Number	0	0	0	0	0	0	0
	Percent	---	---	---	---	---	---	---
Localized	Number	455	36	2	6	30	1	530
	Percent	52.8%	61.0%	25.0%	40.0%	61.2%	50.0%	53.3%
Regional	Number	107	5	1	4	1	1	119
	Percent	12.4%	8.5%	12.5%	26.7%	2.0%	50.0%	12.0%
Distant	Number	152	5	1	4	11	0	173
	Percent	17.6%	8.5%	12.5%	26.7%	22.4%	---	17.4%
Unstaged	Number	148	13	4	1	7	0	173
	Percent	17.2%	22.0%	50.0%	6.7%	14.3%	---	17.4%
Total	Number	862	59	8	15	49	2	995
	Percent	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%

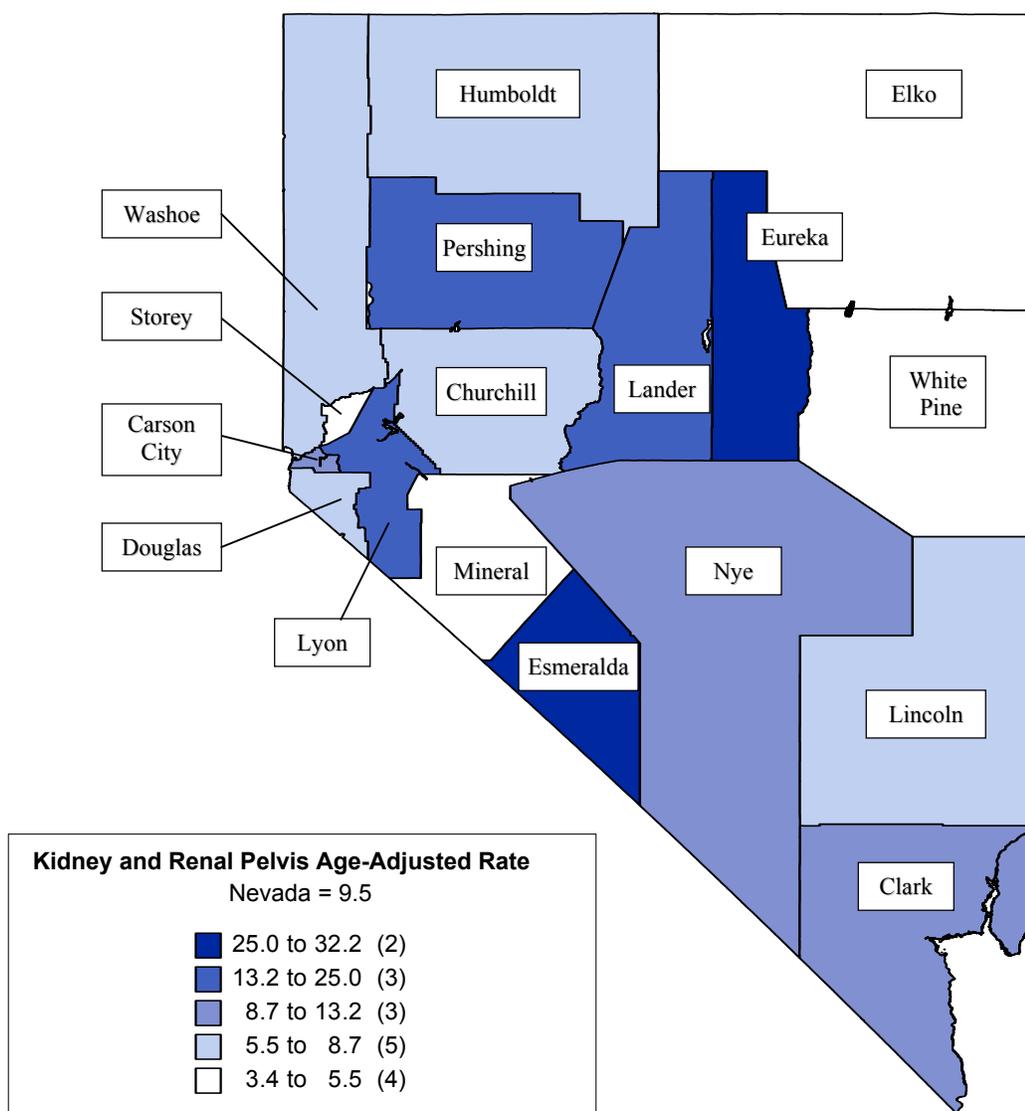
Table 178. Median Age at Diagnosis of Kidney and Renal Pelvis Cancer by Race/Ethnicity and Gender, Nevada Residents, 1996-2000

Race/Ethnicity	Gender					
	Male		Female		Total	
	Incidence	Median Age	Incidence	Median Age	Incidence	Median Age
White	556	65.0	306	66.0	862	65.0
Black	40	62.5	19	61.0	59	62.0
Native American	2	---	6	70.5	8	68.5
Asian	8	60.0	7	47.0	15	60.0
Hispanic	33	57.0	16	50.0	49	56.0
Other/Unknown	2	---	0	---	2	---
Total	641	64.0	354	65.0	995	65.0

Note: Those cases of other/unknown gender and/or unknown ages are not included in this table. The median age was not calculated for those numbers less than five.

INPATIENT HOSPITAL DISCHARGES

Figure 118. Kidney and Renal Pelvis Cancer Age-Adjusted (2000) Inpatient Discharge Rates, Nevada Residents, 1996-2000



Note: Rates are per 100,000 population and age-adjusted to 2000 US Standard population. Caution should be used when interpreting rates based upon small numbers and comparing inpatient hospital discharge rates to other data sources, because it is occurrence based data. See Technical notes for more information.

Figure 119. Kidney and Renal Pelvis Cancer Age-Adjusted Inpatient Discharge Rates by County/Region of Residence, Nevada Residents, 1996-2000

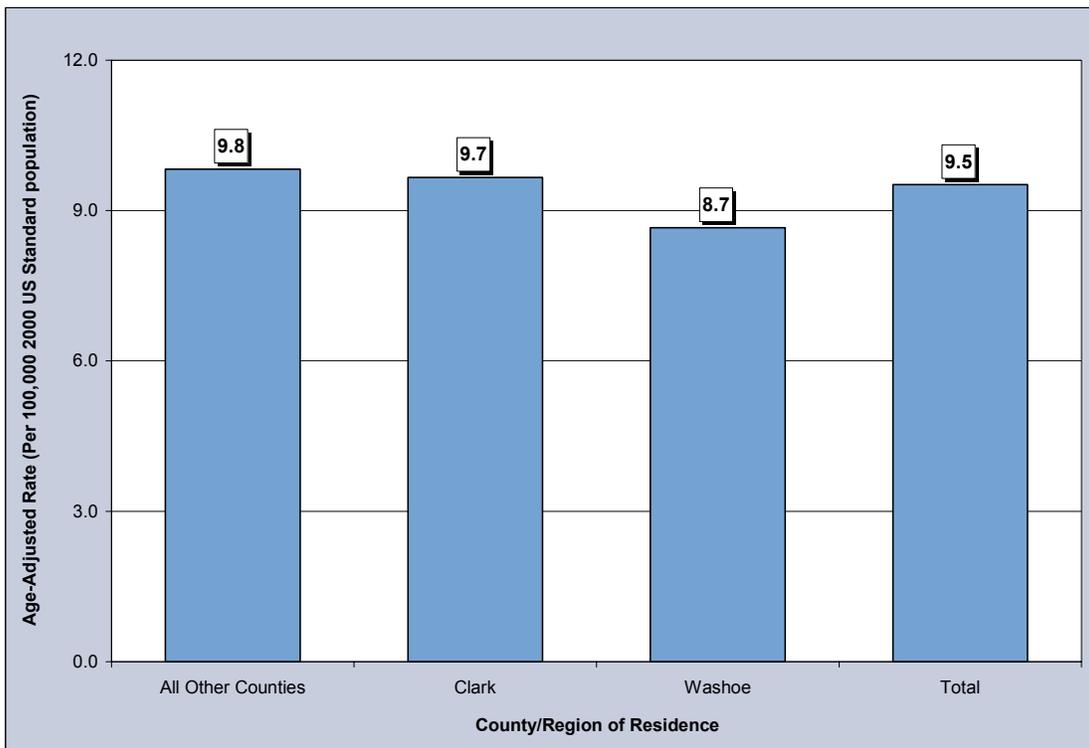


Figure 120. Median Charges for Kidney and Renal Pelvis Cancer Inpatient Discharges by County/Region of Residence, Nevada Residents, 1996-2000

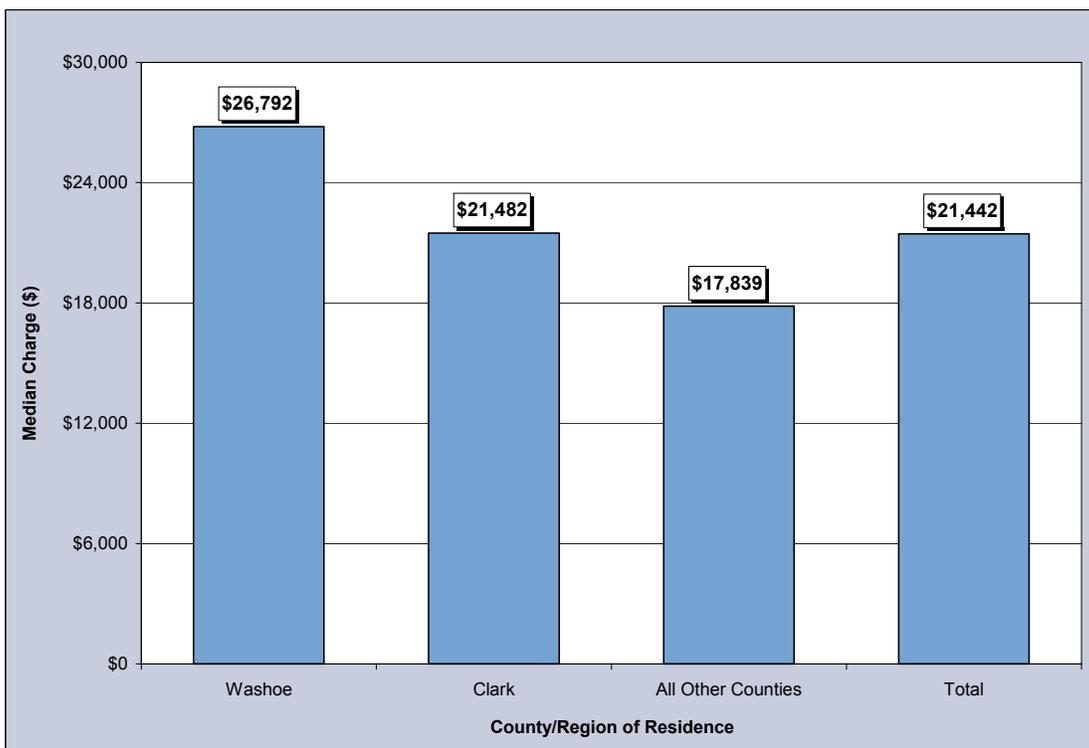


Figure 121. Average Length of Stay for Kidney and Renal Pelvis Cancer Inpatient Discharges by County/Region of Residence, Nevada Residents, 1996-2000

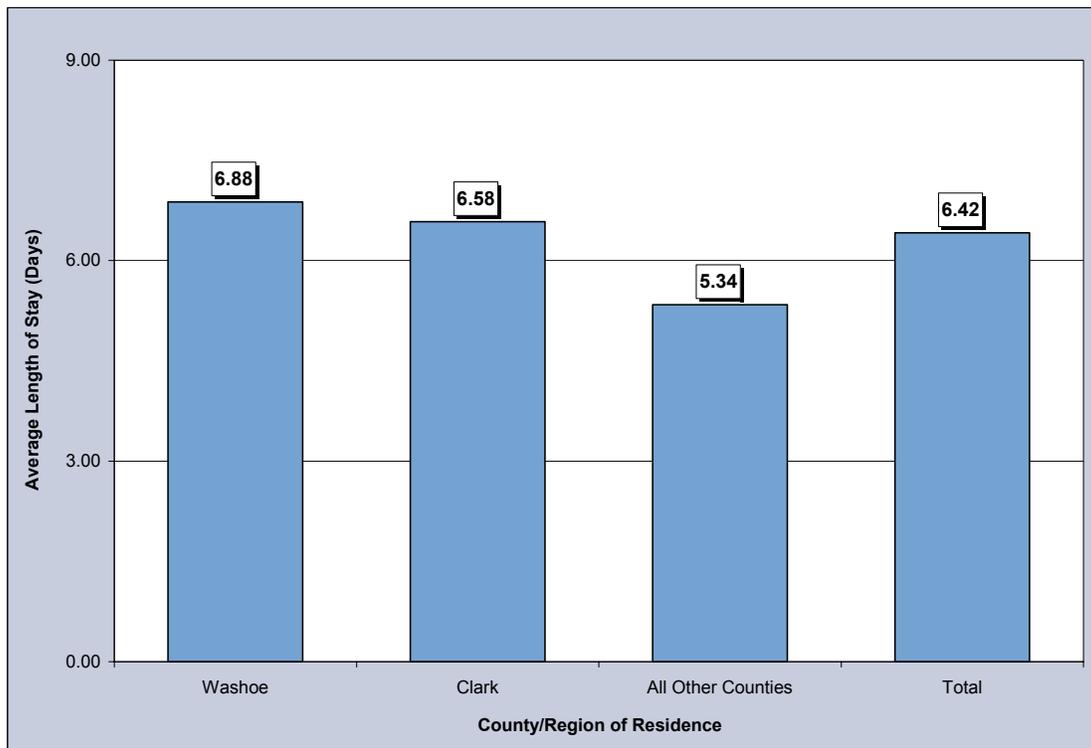


Table 179. Kidney and Renal Pelvis Cancer Inpatient Discharges by Gender, Charges, Length of Stay, and County/Region of Residence, Nevada Residents, 1996-2000

Category	County/Region of Residence				
	Nevada Total	Clark	Washoe	All Other Counties	Unknown
Total					
Discharges	842	569	129	144	0
Rate*	9.5	9.7	8.7	9.8	---
95% C.I.	(8.9-10.2)	(8.9-10.5)	(7.2-10.4)	(8.3-11.6)	---
Gender					
Male	540	358	82	100	0
Rate*	12.5	12.4	11.6	13.7	---
95% C.I.	(11.5-13.7)	(11.1-13.9)	(9.1-14.8)	(11.1-17.0)	---
Female	302	211	47	44	0
Rate*	6.7	7.0	6.1	6.0	---
95% C.I.	(6.0-7.5)	(6.1-8.1)	(4.5-8.2)	(4.4-8.2)	---
Other/Unknown	0	0	0	0	0
Inpatient Discharge Charges (\$)					
Total Charges	\$23,358,873	\$16,428,706	\$3,976,738	\$2,953,429	---
Average Charges	\$27,742	\$28,873	\$30,827	\$20,510	---
Median Charges	\$21,442	\$21,482	\$26,792	\$17,839	---
Discharge Length of Stay (LOS) (Days)					
Total LOS	5,402	3,746	887	769	---
Average LOS	6.4	6.6	6.9	5.3	---
Median LOS	5.0	5.0	6.0	4.0	---

* Rates are per 100,000 population and are age-adjusted to the 2000 US Standard population.

Note: The "----" is used for rates calculated on numbers less than ten. Caution should be used when comparing inpatient hospital discharge data to other data sources, since it is occurrence-based data. Please see Technical Notes for more information.

Table 180. Kidney and Renal Pelvis Cancer Inpatient Discharges by Age Group and County/Region of Residence, Nevada Residents, 1996-2000

Category	County/Region of Residence				
	Nevada Total	Clark	Washoe	All Other Counties	Unknown
Total					
Discharges	842	569	129	144	0
Rate*	9.1	9.0	7.9	10.5	---
95% C.I.	(8.4-9.7)	(8.3-9.8)	(6.5-9.2)	(8.8-12.2)	---
Age Group					
<1	2	1	0	1	0
Rate*	---	---	---	---	---
95% C.I.	---	---	---	---	---
1-4	11	11	0	0	0
Rate*	2.0	2.9	---	---	---
95% C.I.	(0.8-3.2)	(1.2-4.6)	---	---	---
5-14	8	8	0	0	0
Rate*	---	---	---	---	---
95% C.I.	---	---	---	---	---
15-24	3	2	1	0	0
Rate*	---	---	---	---	---
95% C.I.	---	---	---	---	---
25-34	9	8	0	1	0
Rate*	---	---	---	---	---
95% C.I.	---	---	---	---	---
35-44	46	32	9	5	0
Rate*	3.1	3.2	---	---	---
95% C.I.	(2.2-4.0)	(2.1-4.4)	---	---	---
45-54	131	84	25	22	0
Rate*	10.8	10.6	11.1	9.8	---
95% C.I.	(9.0-12.7)	(8.3-12.9)	(6.8-15.5)	(5.7-13.9)	---
55-64	224	149	26	49	0
Rate*	26.0	25.6	18.4	34.6	---
95% C.I.	(22.6-29.4)	(21.5-29.7)	(11.3-25.4)	(24.9-44.3)	---
65-74	262	178	41	43	0
Rate*	42.3	42.9	40.7	42.6	---
95% C.I.	(37.1-47.4)	(36.6-49.2)	(28.2-53.1)	(29.9-55.4)	---
75-84	127	83	24	20	0
Rate*	38.7	38.4	43.6	36.3	---
95% C.I.	(32.0-45.5)	(30.1-46.6)	(26.2-61.1)	(20.4-52.3)	---
85+	19	13	3	3	0
Rate*	27.0	30.3	---	---	---
95% C.I.	(14.8-39.1)	(13.8-46.8)	---	---	---
Unknown	0	0	0	0	0

* Rates are per 100,000 age-specific population.

Note: The "----" is used for rates calculated on numbers less than ten. Caution should be used when comparing inpatient hospital discharge data to other data sources, since it is occurrence-based data. Please see Technical Notes for more information.

Table 181. Kidney and Renal Pelvis Cancer Inpatient Discharges by Age Group and Gender, Nevada Residents, 1996-2000

Age Group	Gender		
	Male	Female	Total
<1	0	2	2
Rate*	---	---	---
95% C.I.	---	---	---
1-4	8	3	11
Rate*	---	---	2.0
95% C.I.	---	---	(0.8-3.2)
5-14	2	6	8
Rate*	---	---	---
95% C.I.	---	---	---
15-24	2	1	3
Rate*	---	---	---
95% C.I.	---	---	---
25-34	5	4	9
Rate*	---	---	---
95% C.I.	---	---	---
35-44	31	15	46
Rate*	4.0	2.1	3.1
95% C.I.	(2.6-5.4)	(1.0-3.1)	(2.2-4.0)
45-54	86	45	131
Rate*	14.0	7.5	10.8
95% C.I.	(11.1-17.0)	(5.3-9.7)	(9.0-12.7)
55-64	148	76	224
Rate*	34.5	17.6	26.0
95% C.I.	(29.0-40.1)	(13.6-21.5)	(22.6-29.4)
65-74	172	90	262
Rate*	56.3	28.6	42.3
95% C.I.	(47.8-64.7)	(22.7-34.6)	(37.1-47.4)
75-84	78	49	127
Rate*	52.9	27.2	38.7
95% C.I.	(41.2-64.6)	(19.6-34.8)	(32.0-45.5)
85+	8	11	19
Rate*	---	23.0	27.0
95% C.I.	---	(9.4-36.6)	(14.8-39.1)
Unknown	0	0	0
Total	540	302	842
Rate*	11.4	6.6	9.1
95% C.I.	(10.5-12.4)	(5.9-7.3)	(8.4-9.7)

* Rates are per 100,000 age-specific population.

Note: The "----" is used for rates calculated on numbers less than ten. Caution should be used when comparing inpatient hospital discharge data to other data sources, since it is occurrence-based data. Please see Technical Notes for more information.

Table 182. Kidney and Renal Pelvis Cancer Inpatient Discharges by County/Region of Residence, Nevada Residents, 1996-2000

County of Residence	1996-2000 Inpatient Hospital Discharges				
	Number	Rate*		Age-Adjusted Rate**	
		Rate	95% C.I.	Rate	95% C.I.
Carson City	25	10.2	(6.2-14.2)	9.0	(5.8-13.4)
Churchill	9	---	---	---	---
Clark	569	9.0	(8.3-9.8)	9.7	(8.9-10.5)
Douglas	14	7.0	(3.3-10.7)	5.5	(3.0-10.3)
Elko	7	---	---	---	---
Esmeralda	2	---	---	---	---
Eureka	2	---	---	---	---
Humboldt	5	---	---	---	---
Lander	6	---	---	---	---
Lincoln	2	---	---	---	---
Lyon	36	22.2	(15.0-29.5)	19.6	(13.7-27.8)
Mineral	1	---	---	---	---
Nye	28	18.9	(11.9-25.8)	13.2	(8.6-20.7)
Pershing	4	---	---	---	---
Storey	1	---	---	---	---
Washoe	129	7.9	(6.5-9.2)	8.7	(7.2-10.4)
White Pine	2	---	---	---	---
Unknown	0	---	---	---	---
Total	842	9.1	(8.4-9.7)	9.5	(8.9-10.2)

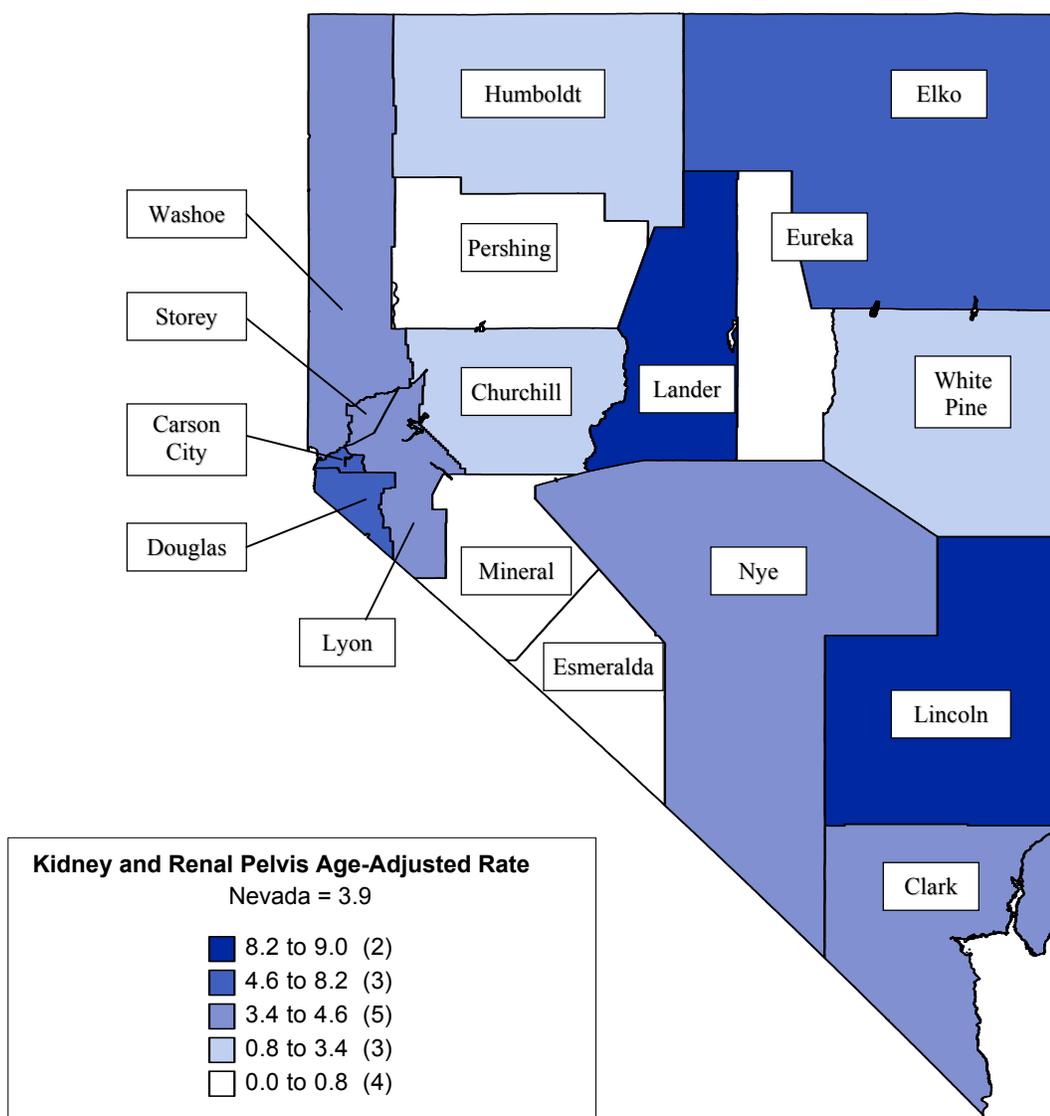
Note: The “---“ is used for rates calculated on numbers less than ten. *Rates are per 100,000 population. **Rates are per 100,000 population and are age-adjusted to the 2000 US Standard population.

Table 183. Kidney and Renal Pelvis Cancer Inpatient Discharges by Age Group, Charges and Length of Stay, Nevada Residents, 1996-2000

Age Group	Discharges	Charges (\$)			Length of Stay (Days)		
		Total	Average	Median	Total	Average	Median
<1	2	---	---	---	---	---	---
1-4	11	358,191	32,563	39,144	87	7.9	10.0
5-14	8	922,920	115,365	61,678	148	18.5	10.5
15-24	3	---	---	---	---	---	---
25-34	9	167,246	18,583	18,502	42	4.7	4.0
35-44	46	1,198,213	26,048	18,662	258	5.6	4.5
45-54	131	3,023,520	23,080	19,739	683	5.2	4.0
55-64	224	6,161,874	27,508	21,953	1,466	6.5	5.0
65-74	262	6,513,425	24,860	21,544	1,500	5.7	5.0
75-84	127	4,350,314	34,254	23,399	1,026	8.1	6.0
85+	19	537,180	28,273	20,081	156	8.2	7.0
Unknown	0	---	---	---	---	---	---
Total	842	23,358,873	27,742	21,442	5,402	6.4	5.0

MORTALITY

Figure 122. Kidney and Renal Pelvis Cancer Age-Adjusted (2000) Mortality Rates, Nevada Residents, 1996-2000



Note: Rates are per 100,000 population and age-adjusted to 2000 US Standard population. Caution should be used when interpreting rates based upon small numbers. See Technical notes for more information.

Figure 123. Kidney and Renal Pelvis Cancer Age-Adjusted Mortality Rates by County/Region of Residence, Nevada Residents, 1996-2000

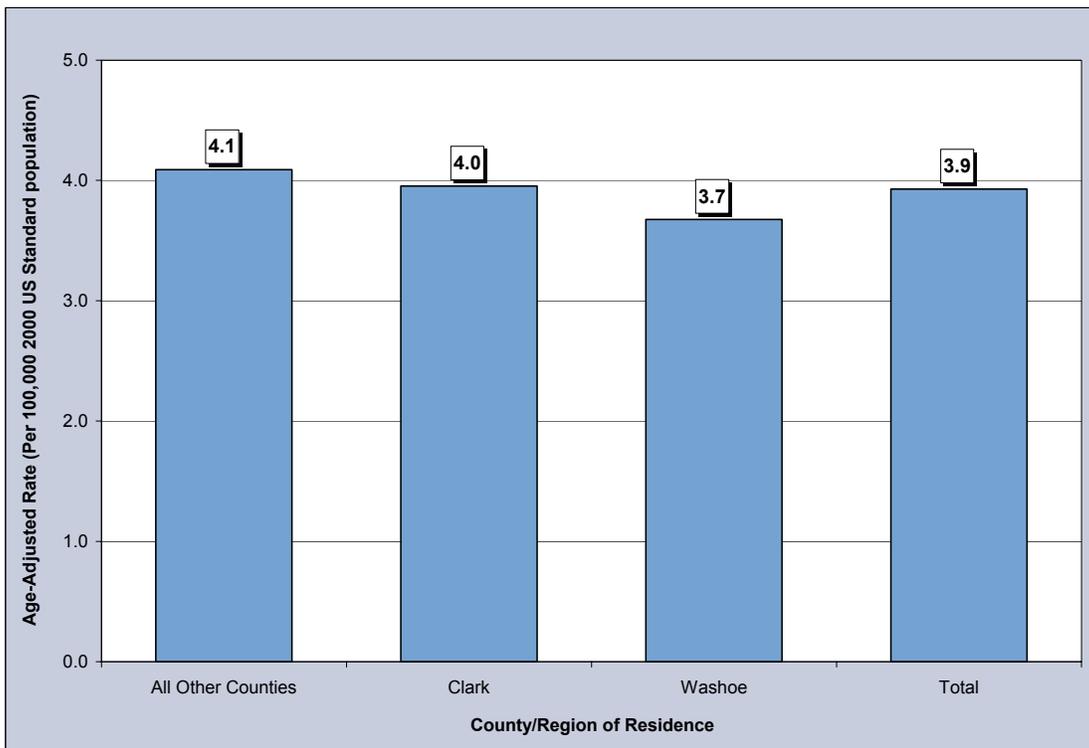


Figure 124. Kidney and Renal Pelvis Cancer Age-Adjusted Mortality Rates by Race/Ethnicity, Nevada Residents, 1996-2000

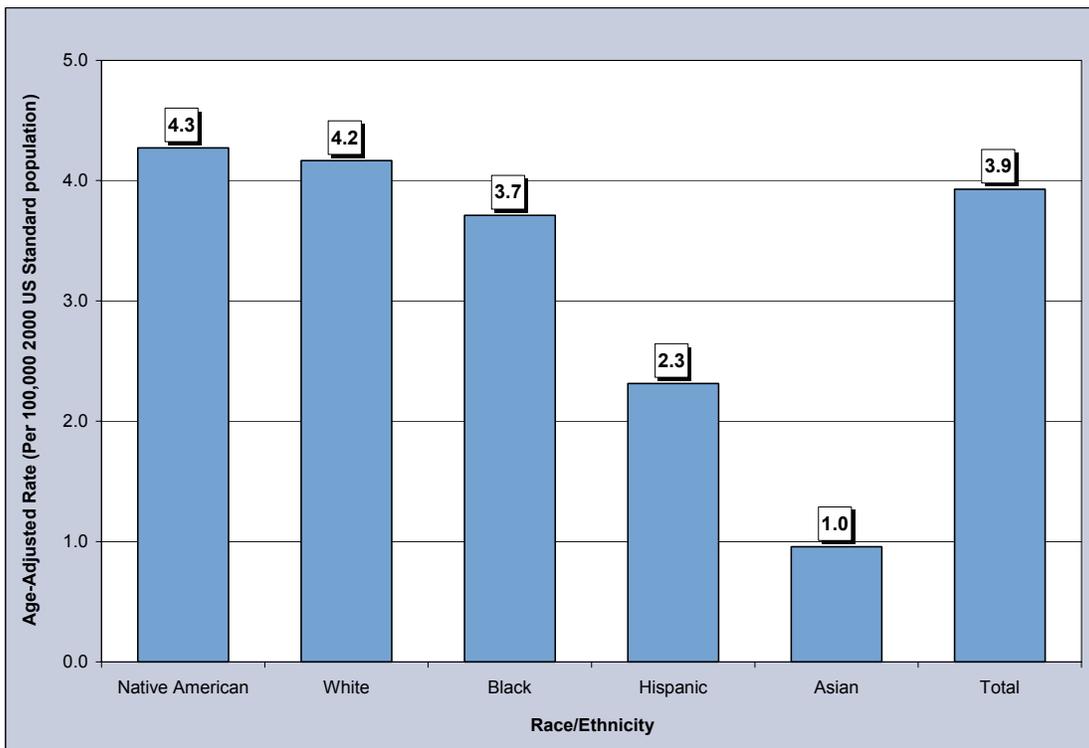


Table 184. Kidney and Renal Pelvis Cancer Mortality by Gender, Race/Ethnicity and County/Region of Residence, Nevada Residents, 1996-2000

Category	County/Region of Residence			
	Nevada Total	Clark	Washoe	All Other Counties
Total				
Mortality	326	217	52	57
Rate*	3.9	4.0	3.7	4.1
95% C.I.	(3.5-4.4)	(3.4-4.6)	(2.7-4.9)	(3.1-5.4)
Gender				
Male	227	151	36	40
Rate*	5.7	5.8	5.6	5.7
95% C.I.	(5.0-6.6)	(4.8-7.0)	(3.8-8.2)	(4.0-8.1)
Female	99	66	16	17
Rate*	2.3	2.3	2.1	2.4
95% C.I.	(1.9-2.8)	(1.8-3.0)	(1.2-3.5)	(1.4-4.0)
Other/Unknown	0	0	0	0
Race/Ethnicity				
White	292	193	48	51
Rate*	4.2	4.3	3.8	4.0
95% C.I.	(3.7-4.7)	(3.7-5.0)	(2.8-5.1)	(3.0-5.4)
Black	13	12	1	0
Rate*	3.7	3.8	---	---
95% C.I.	(1.9-7.1)	(1.8-7.5)	---	---
Native American	3	0	2	1
Rate*	---	---	---	---
95% C.I.	---	---	---	---
Asian	4	3	1	0
Rate*	---	---	---	---
95% C.I.	---	---	---	---
Hispanic	12	8	0	4
Rate*	2.3	---	---	---
95% C.I.	(1.0-5.0)	---	---	---
Other/Unknown	2	1	0	1

*Rates are per 100,000 population and are age-adjusted to the 2000 US Standard population.

Note: The “---” is used for rates calculated on numbers less than ten.

Table 185. Kidney and Renal Pelvis Cancer Mortality by Age Group and County/Region of Residence, Nevada Residents, 1996-2000

Category	County/Region of Residence			
	Nevada Total	Clark	Washoe	All Other Counties
Total				
Mortality	326	217	52	57
Rate*	3.5	3.4	3.2	4.2
95% C.I.	(3.1-3.9)	(3.0-3.9)	(2.3-4.0)	(3.1-5.2)
Age Group				
<1	0	0	0	0
Rate*	---	---	---	---
95% C.I.	---	---	---	---
1-4	0	0	0	0
Rate*	---	---	---	---
95% C.I.	---	---	---	---
5-14	0	0	0	0
Rate*	---	---	---	---
95% C.I.	---	---	---	---
15-24	0	0	0	0
Rate*	---	---	---	---
95% C.I.	---	---	---	---
25-34	0	0	0	0
Rate*	---	---	---	---
95% C.I.	---	---	---	---
35-44	5	5	0	0
Rate*	---	---	---	---
95% C.I.	---	---	---	---
45-54	28	19	6	3
Rate*	2.3	2.4	---	---
95% C.I.	(1.5-3.2)	(1.3-3.5)	---	---
55-64	81	56	8	17
Rate*	9.4	9.6	---	12.3
95% C.I.	(7.4-11.5)	(7.1-12.2)	---	(6.5-18.2)
65-74	105	63	22	20
Rate*	16.9	15.2	21.8	19.1
95% C.I.	(13.7-20.2)	(11.4-18.9)	(12.7-30.9)	(10.8-27.5)
75-84	88	63	13	12
Rate*	26.8	29.1	23.6	21.2
95% C.I.	(21.2-32.5)	(21.9-36.3)	(10.8-36.5)	(9.2-33.3)
85+	19	11	3	5
Rate*	27.0	25.7	---	---
95% C.I.	(14.8-39.1)	(10.5-40.9)	---	---
Unknown	0	0	0	0

* Rates are per 100,000 age-specific population.

Note: The "—" is used for rates calculated on numbers less than ten.

Table 186. Kidney and Renal Pelvis Cancer Mortality by County of Residence, Nevada Residents, 1996-2000

County of Residence	1996-2000 Mortality				
	Cases	Rate*		Age-Adjusted Rate**	
		Rate	95% C.I.	Rate	95% C.I.
Carson City	14	5.7	(2.7-8.7)	5.0	(2.7-8.7)
Churchill	1	---	---	---	---
Clark	217	3.4	(3.0-3.9)	4.0	(3.4-4.6)
Douglas	14	7.0	(3.3-10.7)	5.6	(3.1-10.5)
Elko	5	---	---	---	---
Esmeralda	0	---	---	---	---
Eureka	0	---	---	---	---
Humboldt	1	---	---	---	---
Lander	2	---	---	---	---
Lincoln	2	---	---	---	---
Lyon	8	---	---	---	---
Mineral	0	---	---	---	---
Nye	8	---	---	---	---
Pershing	0	---	---	---	---
Storey	1	---	---	---	---
Washoe	52	3.2	(2.3-4.0)	3.7	(2.7-4.9)
White Pine	1	---	---	---	---
Unknown	0	---	---	---	---
Total	326	3.5	(3.1-3.9)	3.9	(3.5-4.4)

Note: The “---“ is used for rates calculated on numbers less than ten. *Rates are per 100,000 population. **Rates are per 100,000 population and are age-adjusted to the 2000 US Standard population.

Table 187. Kidney and Renal Pelvis Cancer Mortality by Race/Ethnicity and Gender, Nevada Residents, 1996-2000

Race/Ethnicity	Gender			
	Male	Female	Total	
White	Mortality	207	85	292
	Rate*	6.2	2.3	4.2
	95% C.I.	(5.3-7.2)	(1.9-2.9)	(3.7-4.7)
Black	Mortality	8	5	13
	Rate*	---	---	3.7
	95% C.I.	---	---	(1.9-7.1)
Native American	Mortality	0	3	3
	Rate*	---	---	---
	95% C.I.	---	---	---
Asian	Mortality	4	0	4
	Rate*	---	---	---
	95% C.I.	---	---	---
Hispanic	Mortality	7	5	12
	Rate*	---	---	2.3
	95% C.I.	---	---	(1.0-5.0)
Other/Unknown	Mortality	1	1	2
Total	Mortality	227	99	326
	Rate*	5.7	2.3	3.9
	95% C.I.	(5.0-6.6)	(1.9-2.8)	(3.5-4.4)

Note: The “---“ is used for rates calculated on numbers less than ten. *Rates are per 100,000 population and are age-adjusted to the 2000 US Standard population.

Table 188. Kidney and Renal Pelvis Cancer Mortality by Age Group and Gender, Nevada Residents, 1996-2000

Age Group	Gender		
	Male	Female	Total
<1	0	0	0
Rate*	---	---	---
95% C.I.	---	---	---
1-4	0	0	0
Rate*	---	---	---
95% C.I.	---	---	---
5-14	0	0	0
Rate*	---	---	---
95% C.I.	---	---	---
15-24	0	0	0
Rate*	---	---	---
95% C.I.	---	---	---
25-34	0	0	0
Rate*	---	---	---
95% C.I.	---	---	---
35-44	4	1	5
Rate*	---	---	---
95% C.I.	---	---	---
45-54	23	5	28
Rate*	3.8	---	2.3
95% C.I.	(2.2-5.3)	---	(1.5-3.2)
55-64	62	19	81
Rate*	14.5	4.4	9.4
95% C.I.	(10.9-18.1)	(2.4-6.4)	(7.4-11.5)
65-74	74	31	105
Rate*	24.2	9.9	16.9
95% C.I.	(18.7-29.7)	(6.4-13.3)	(13.7-20.2)
75-84	55	33	88
Rate*	37.3	18.3	26.8
95% C.I.	(27.4-47.2)	(12.1-24.5)	(21.2-32.5)
85+	9	10	19
Rate*	---	20.9	27.0
95% C.I.	---	(8.0-33.9)	(14.8-39.1)
Unknown	0	0	0
Total	227	99	326
Rate*	4.8	2.2	3.5
95% C.I.	(4.2-5.4)	(1.7-2.6)	(3.1-3.9)

* Rates are per 100,000 age-specific population.

Note: The "—" is used for rates calculated on numbers less than ten.

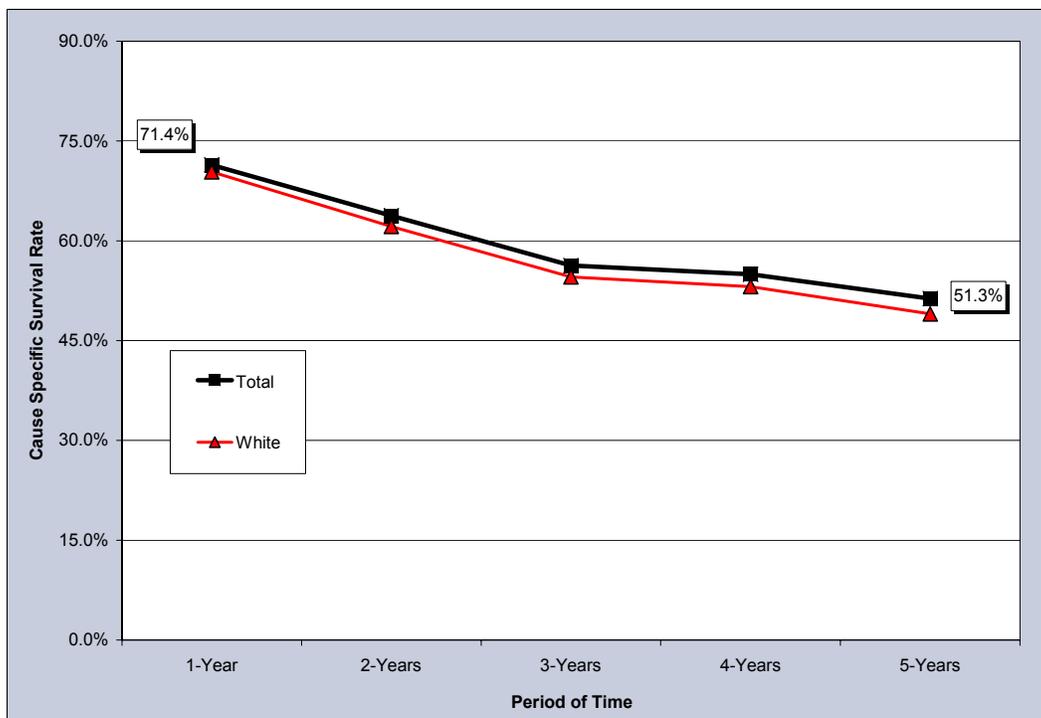
Table 189. Median Age at Death from Kidney and Renal Pelvis Cancer by Race/Ethnicity and Gender, Nevada Residents, 1996-2000

Race/Ethnicity	Gender					
	Male		Female		Total	
	Deaths	Median Age	Deaths	Median Age	Deaths	Median Age
White	207	68.0	85	73.0	292	70.0
Black	8	70.0	5	74.0	13	72.0
Native American	0	---	3	---	3	---
Asian	4	---	0	---	4	---
Hispanic	7	65.0	5	67.0	12	65.5
Other/Unknown	1	---	1	---	2	---
Total	227	68.0	99	73.0	326	70.0

Note: Those cases of other/unknown gender and/or unknown ages are not included in this table. The median age was not calculated for those numbers less than five.

SURVIVAL RATE

Figure 125. Survival Rates for Kidney and Renal Pelvis Cancer by Race/Ethnicity, Nevada Residents, 1996-2000



Notes: The survival rate for those racial/ethnic groups not included in this chart could not be calculated due to small cell size.

Figure 126. Survival Rates for Kidney and Renal Pelvis Cancer by Stage of Cancer at Diagnosis, Nevada Residents, 1996-2000

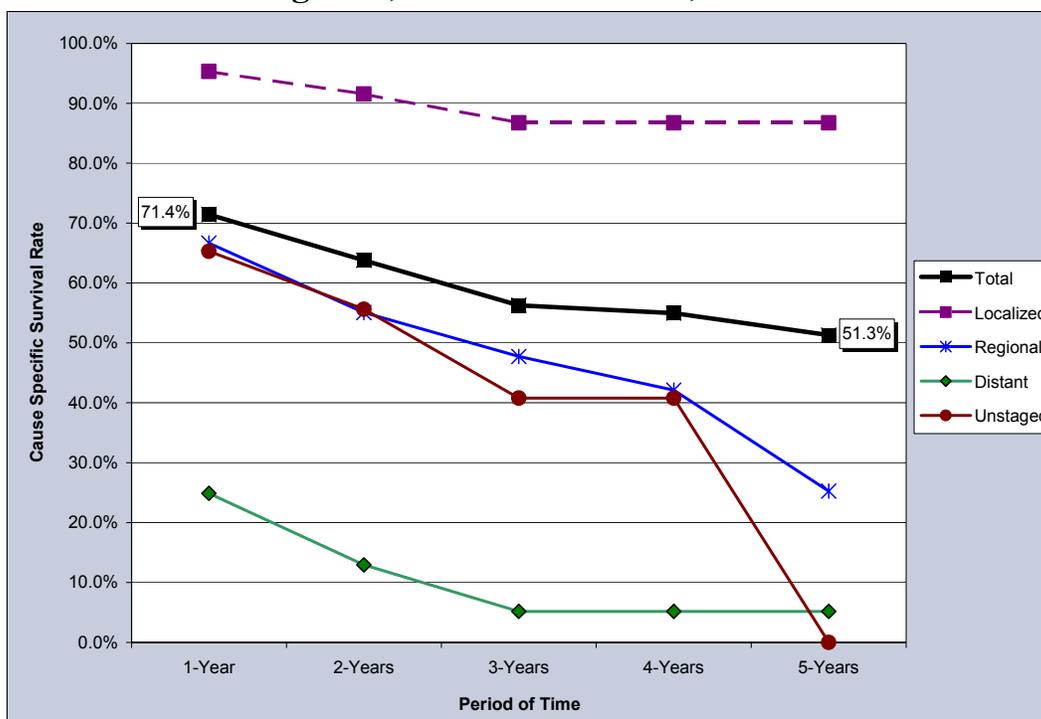


Table 190. Cause-Specific Survival Rates for Kidney and Renal Pelvis Cancer by Race/Ethnicity and Gender, Nevada Residents, 1996-2000

Race/ Ethnicity and Gender	Number of Cases	Cause Specific Survival Rate					Median Survival Time (years)
		One Year	Two Years	Three Years	Four Years	Five Years	
Total	667	71.4%	63.8%	56.3%	55.0%	51.3%	>5 years
Male	430	70.3%	61.5%	56.9%	55.0%	50.0%	>5 years
Female	237	73.5%	68.0%	55.0%	55.0%	55.0%	>5 years
Race/Ethnicity							
White	575	70.4%	62.1%	54.6%	53.1%	49.0%	4.76
Male	370	68.2%	58.2%	54.3%	52.1%	46.3%	4.37
Female	205	74.4%	69.6%	55.2%	55.2%	55.2%	>5 years
Black	36	---	---	---	---	---	---
Male	23	---	---	---	---	---	---
Female	13	---	---	---	---	---	---
Native American	4	---	---	---	---	---	---
Male	2	---	---	---	---	---	---
Female	2	---	---	---	---	---	---
Asian	12	---	---	---	---	---	---
Male	8	---	---	---	---	---	---
Female	4	---	---	---	---	---	---
Hispanic	39	---	---	---	---	---	---
Male	26	---	---	---	---	---	---
Female	13	---	---	---	---	---	---

Notes: 1) The “---“ indicates that survival rate could not be calculated due to small cell size. Caution should be used when interpreting survival rates based upon categories with a small number of cases. 2) Those cases where the gender and/or race/ethnicity were other/unknown, are not shown separately, but are included in the category totals. 3) These rates may not be directly comparable to National rates because of different methodologies. Caution should be used when trying to compare rates for Nevada and the Nation. For more information on the calculation of survival rates, please refer to Technical Notes section.

Table 191. Cause-Specific Survival Rates for Kidney and Renal Pelvis Cancer by Stage of Cancer at Diagnosis and Gender, Nevada Residents, 1996-2000

Survival Rate of Stage at Diagnosis		Gender		
		Total	Male	Female
Total	Cases	667	430	237
	One Year	71.4%	70.3%	73.5%
	5 Years	51.3%	50.0%	55.0%
	Median Survival	>5 years	>5 years	>5 years
Stage at Diagnosis				
In situ	Cases	0	0	0
	One Year	---	---	---
	5 Years	---	---	---
	Median Survival	---	---	---
Localized	Cases	378	237	141
	One Year	95.3%	95.6%	94.8%
	5 Years	86.8%	92.5%	77.7%
	Median Survival	>5 years	>5 years	>5 years
Regional	Cases	89	56	33
	One Year	66.7%	67.4%	65.4%
	5 Years	25.3%	13.1%	47.2%
	Median Survival	2.69	2.62	2.73
Distant	Cases	135	96	39
	One Year	24.9%	25.9%	22.4%
	5 Years	5.2%	4.8%	0.0%
	Median Survival	0.67	0.67	0.64
Unstaged	Cases	65	41	24
	One Year	65.3%	65.6%	64.7%
	5 Years	0.0%	0.0%	0.0%
	Median Survival	2.38	2.74	1.91

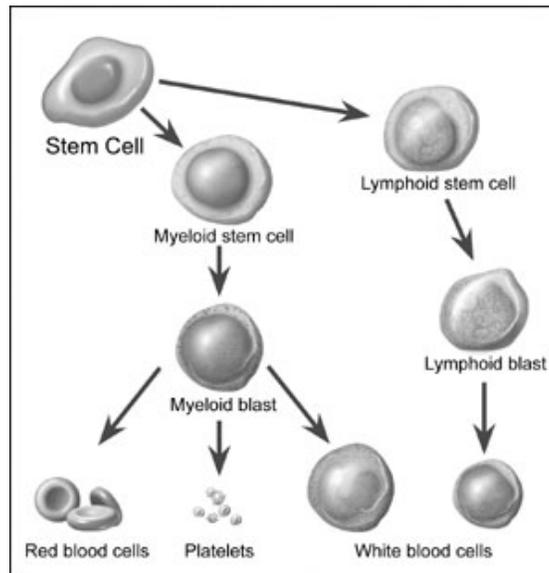
Notes: 1) The “---“ indicates that survival rate could not be calculated due to small cell size. Caution should be used when interpreting survival rates based upon categories with a small number of cases. 2) These rates may not be directly comparable to National rates because of different methodologies. Caution should be used when trying to compare rates for Nevada and the Nation. For more information on the calculation of survival rates, please refer to Technical Notes section.

LEUKEMIA

LEUKEMIA

GENERAL PROFILE⁴

Figure 127. Anatomy of Stem Cell Maturation



General Anatomy: Blood cells form in the bone marrow, which is the soft material in the center of most bones. Immature blood cells are called stem cells and blasts. Most blood cells mature in the bone marrow and then move into the blood vessels. The bone marrow makes different types of blood cells; each with a special function: White blood cells fight infection, red blood cells carry oxygen to body tissues, and platelets help form blood clots to speed healing. In people with leukemia, the bone marrow produces abnormal white blood cells. At first, leukemia cells function almost normally. In time, they may crowd out normal white blood cells, red blood cells, and platelets.

Risk Factors: Very high levels of radiation, working with certain chemicals (e.g. Benzene, Formaldehyde), chemotherapy, down syndrome, human T-cell leukemia virus-I (HTLV-I), and myelodysplastic syndrome.

Signs and Symptoms: Fevers or night sweats, frequent infections, feeling weak or tired, headache, bleeding and bruising easily (bleeding gums, purplish patches in the skin, or tiny red spots under the skin), pain in the bones or joints, swelling or discomfort in the abdomen (from an enlarged spleen), swollen lymph nodes, especially in the neck or armpit, and weight loss.

Diagnosing the Cancer: Health exams, blood tests (High level of white blood cells, low levels of red blood cells and platelets), bone marrow aspiration, bone marrow biopsy, cytogenetics, spinal tap, and chest x-ray.

Treatment: chemotherapy (intrathecal), biological therapy, radiation therapy, or stem cell transplantation (Bone Marrow, Peripheral stem cell and Umbilical cord blood transplantations).

HIGHLIGHTS

- The ratio of the age-adjusted incidence rate, 11.7, to the age-adjusted mortality rate, 7.2 (per 100,000 – 2000 US Standard population), for Leukemia was 1.63 during the 1996 to 2000 period, which means that for every 1.63 Leukemia cases during this period, there was one Leukemia death in Nevada.
- Nevadan females had a slightly higher ratio than males when the age-adjusted incidence and age-adjusted mortality rates for Leukemia were compared. For every female death due to Leukemia there were 1.65 female cases while only 1.59 male cases for every male Leukemia death in Nevada from 1996 to 2000.
- The median age at diagnosis of Leukemia was 66 years of age for Nevada residents from 1996 to 2000; the median age at time of death was 71 years.

INCIDENCE

- There were 973 cases of Leukemia in Nevada from 1996 to 2000. Regional comparisons showed little variation between All Other Counties (11.8), Clark County (11.7) and Washoe County (11.5) from 1996 to 2000. While the age-adjusted incidence rates were slightly lower than the National rate of 12.1 (per 100,000 – 2000 US Standard population) statistical analysis does not show a significant difference between any of the areas.
- While regional comparisons showed that Washoe County's age-adjusted incidence rate, 17.0, was higher than the rate for All Other Counties and Clark County who had rates of 16.3 and 13.9 (per 100,000 – 2000 US Standard population) from 1996 to 2000, these differences were not statistically significant.
- The age-adjusted incidence rate for male Leukemia, 14.2 (13.0-15.5), was statistically significant over the rate for females, 9.4 (8.5-10.4), during the 1996 to 2000 period.
- Whites, as a racial/ethnic group, had the highest age-adjusted incidence rate from Leukemia during the 1996 to 2000 period. They were followed by Blacks, Hispanics and Asians, who had rates of 10.5, 7.8 and 6.4, (per 100,000 – 2000 US Standard population), respectively.

INPATIENT HOSPITAL DISCHARGES

- Statistical regional comparisons indicate that Clark County had the highest age-adjusted inpatient discharge rate for Leukemia, 13.3 (12.4-14.3), and was followed by All Other Counties, 10.1 (8.4-12.0), and Washoe County, 8.7 (7.3-10.4), per 100,000 – 2000 US Standard population) from 1996 to 2000.

- Clark County had the highest median total charge (\$30,364) that was nearly double that of Washoe County (\$16,087) and All Other Counties (\$15,159), as a region, during the 1996 to 2000 period.
- Total billed charges for hospital inpatient discharges from Leukemia in Nevada totaled approximately 55.4 million dollars from 1996 to 2000. The overall average billed charge per day for an inpatient hospital discharge for Leukemia was approximately \$4,300 in Nevada during this time.

MORTALITY

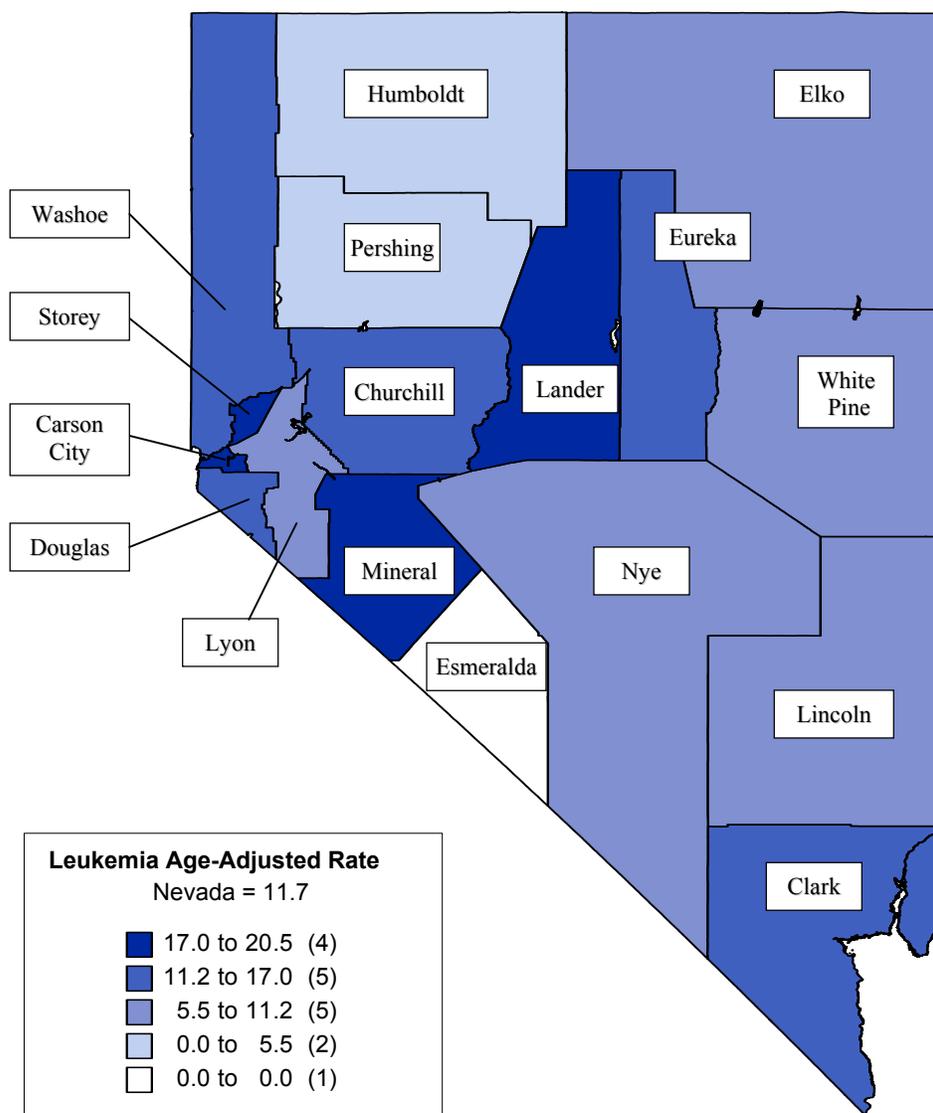
- There were 568 Leukemia deaths from 1996 to 2000. While All Other Counties, as a region, had a higher age-adjusted mortality rate, 7.5, than Clark County, 7.2 and Washoe County, 7.1 (per 100,000 – 2000 US Standard population), none of the rates show that any statistically significant difference exists between the three regions.
- Males had a statistically higher age-adjusted mortality rate due to Leukemia, 8.9 (7.9-10.0), than their Female counterparts' rate, 5.7 (5.0-6.5), in Nevada from 1996 to 2000.

SURVIVAL RATE

- The one-year survival rate for Leukemia in Nevada was 55.9% during the 1996 to 2000 period, while the five-year survival rate was 30.5% during this same time. The median survival rate in Nevada for Leukemia was 1.60 years.
- While Females in Nevada diagnosed with Leukemia had a higher one-year survival rate (57.1%) than males (55.2%), their five-year survival rate (27.3%) was lower than the rate for males (33.3%) during the 1996 to 2000 period.
- Nevadan females had a slightly higher median survival time than their male counterparts with median survival times of 1.65 and 1.58 years, respectively, during the 1996 to 2000 period.

INCIDENCE

Figure 128. Leukemia Age-Adjusted (2000) Incidence Rates, Nevada Residents, 1996-2000



Note: Rates are per 100,000 population and age-adjusted to 2000 US Standard population. Caution should be used when interpreting rates based upon small numbers. See Technical notes for more information.

Figure 129. Leukemia Age-Adjusted Incidence Rates by County/Region of Residence, Nevada Residents, 1996-2000

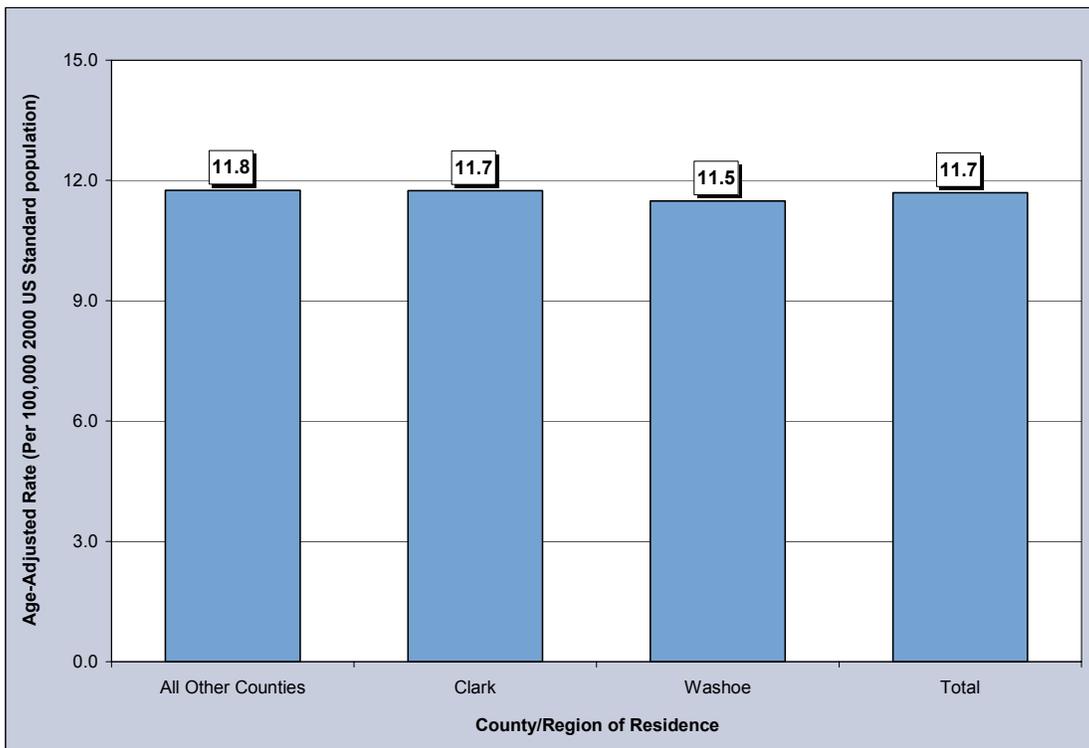


Figure 130. Leukemia Age-Adjusted Incidence Rates by Race/Ethnicity, Nevada Residents, 1996-2000

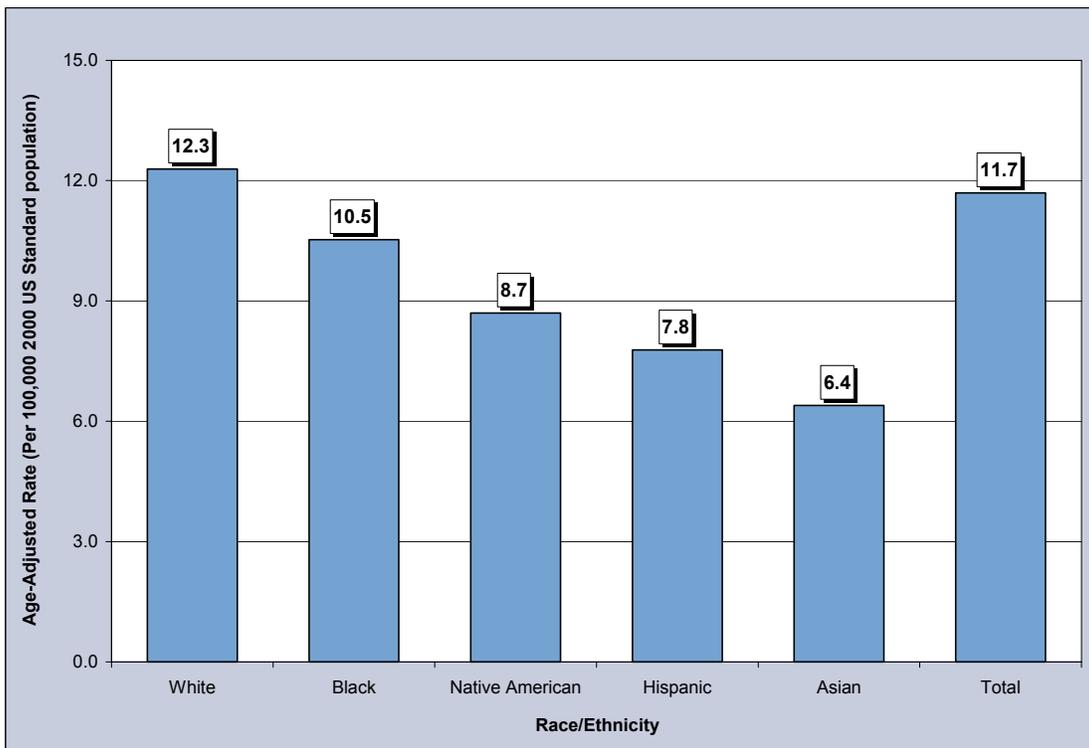


Table 192. Leukemia Cases by Gender, Race/Ethnicity and County/Region of Residence at Diagnosis, Nevada Residents (1996-2000) and SEER-11 (1995-1999)

Category	County/Region of Residence					SEER 11 (1995-1999)
	Nevada Total	Clark	Washoe	All Other Counties	Unknown	
Total						
Cases	973	649	165	158	1	20,646
Rate*	11.7	11.7	11.5	11.8	---	12.1
95% C.I.	(11.0-12.5)	(10.8-12.7)	(9.8-13.5)	(10.0-13.8)	---	(11.9-12.2)
Gender						
Male	568	392	86	89	1	11,811
Rate*	14.2	15.1	12.3	13.2	---	15.8
95% C.I.	(13.0-15.5)	(13.5-16.9)	(9.8-15.6)	(10.5-16.5)	---	(15.5-16.1)
Female	405	257	79	69	0	8,835
Rate*	9.4	9.0	10.4	10.0	---	9.3
95% C.I.	(8.5-10.4)	(7.9-10.2)	(8.2-13.0)	(7.8-12.8)	---	(9.1-9.5)
Other/Unknown	0	0	0	0	0	0
Race/Ethnicity						
White	818	532	145	141	0	17,549
Rate*	12.3	12.7	11.8	11.6	---	12.6
95% C.I.	(11.4-13.2)	(11.6-13.8)	(10.0-14.0)	(9.7-13.8)	---	(12.4-12.8)
Black	40	35	4	1	0	1,438
Rate*	10.5	10.3	---	---	---	9.6
95% C.I.	(7.2-15.3)	(6.8-15.4)	---	---	---	(9.1-10.2)
Native American	9	2	2	5	0	56
Rate*	---	---	---	---	---	4.0
95% C.I.	---	---	---	---	---	(2.9-2.9)
Asian	27	20	4	3	0	1,335
Rate*	6.4	6.1	---	---	---	8.1
95% C.I.	(4.1-12.3)	(3.6-13.7)	---	---	---	(7.6-8.6)
Hispanic	75	58	9	7	1	2,161
Rate*	7.8	7.4	---	---	---	8.7
95% C.I.	(5.6-11.0)	(5.1-11.3)	---	---	---	(8.3-9.2)
Other/Unknown	4	2	1	1	0	268

* Rates are per 100,000 population and are age-adjusted to the 2000 US Standard population.

Note: The “---” is used for rates calculated on numbers less than ten and SEER numbers less than five. Caution should be used when comparing rates for racial/ethnic groups to the National (SEER) rates. See Technical Notes for more information.

Table 193. Leukemia Cases by Age Group and County/Region of Residence at Diagnosis, Nevada Residents (1996-2000) and SEER-11 (1995-1999)

Category	County/Region of Residence					SEER 11 (1995-1999)
	Nevada Total	Clark	Washoe	All Other Counties	Unknown	
Total						
Cases	973	649	165	158	1	20,646
Rate*	10.5	10.3	10.1	11.5	---	11.1
95% C.I.	(9.8-11.1)	(9.5-11.1)	(8.5-11.6)	(9.7-13.3)	---	(11.0-11.3)
Age Group						
<1	7	5	1	1	0	104
Rate*	---	---	---	---	---	3.8
95% C.I.	---	---	---	---	---	(3.0-4.5)
1-4	34	24	3	7	0	983
Rate*	6.2	6.3	---	---	---	8.8
95% C.I.	(4.1-8.3)	(3.8-8.8)	---	---	---	(8.3-9.4)
5-14	53	38	7	8	0	958
Rate*	4.0	4.3	---	---	---	3.6
95% C.I.	(2.9-5.1)	(2.9-5.6)	---	---	---	(3.4-3.8)
15-24	30	24	2	4	0	651
Rate*	2.3	2.8	---	---	---	2.5
95% C.I.	(1.5-3.2)	(1.7-3.9)	---	---	---	(2.3-2.7)
25-34	37	28	7	1	1	801
Rate*	2.6	2.7	---	---	---	2.7
95% C.I.	(1.8-3.4)	(1.7-3.8)	---	---	---	(2.5-2.9)
35-44	48	31	13	4	0	1,264
Rate*	3.2	3.1	4.7	---	---	4.0
95% C.I.	(2.3-4.1)	(2.0-4.2)	(2.1-7.2)	---	---	(3.8-4.3)
45-54	92	65	12	15	0	2,006
Rate*	7.6	8.2	5.3	7.8	---	8.8
95% C.I.	(6.1-9.2)	(6.2-10.2)	(2.3-8.4)	(3.9-11.7)	---	(8.4-9.1)
55-64	147	99	25	23	0	2,707
Rate*	17.1	17.0	17.7	16.7	---	19.3
95% C.I.	(14.3-19.8)	(13.7-20.4)	(10.7-24.6)	(9.9-23.5)	---	(18.6-20.1)
65-74	251	165	42	44	0	4,567
Rate*	40.5	39.8	41.6	42.1	---	39.6
95% C.I.	(35.5-45.5)	(33.7-45.9)	(29.0-54.2)	(29.7-54.6)	---	(38.4-40.7)
75-84	205	124	45	36	0	4,603
Rate*	62.5	57.3	81.8	63.7	---	63.3
95% C.I.	(54.0-71.1)	(47.2-67.4)	(57.9-105.7)	(42.9-84.6)	---	(61.5-65.2)
85+	68	45	8	15	0	2,002
Rate*	96.5	105.0	---	113.7	---	80.7
95% C.I.	(73.6-119.5)	(74.4-135.7)	---	(56.2-171.2)	---	(77.2-84.3)
Unknown	1	1	0	0	0	0

* Rates are per 100,000 age-specific population.

Note: The "----" is used for rates calculated on numbers less than ten and SEER numbers less than five. See Technical Notes for more information.

Table 194. Leukemia Cases by County of Residence at Diagnosis, Nevada Residents, 1996-2000

County of Residence at Diagnosis	1996-2000 Incidence				
	Cases	Rate*		Age-Adjusted Rate**	
		Rate	95% C.I.	Rate	95% C.I.
Carson City	47	19.2	(13.7-24.7)	17.0	(12.5-22.9)
Churchill	19	16.1	(8.9-23.3)	16.1	(9.6-25.9)
Clark	649	10.3	(9.5-11.1)	11.7	(10.8-12.7)
Douglas	25	12.5	(7.6-17.4)	11.6	(7.3-18.1)
Elko	12	5.2	(2.3-8.2)	10.3	(5.0-19.6)
Esmeralda	0	---	---	---	---
Eureka	1	---	---	---	---
Humboldt	2	---	---	---	---
Lander	4	---	---	---	---
Lincoln	2	---	---	---	---
Lyon	16	9.9	(5.0-14.7)	8.6	(4.9-14.7)
Mineral	6	---	---	---	---
Nye	18	12.1	(6.5-17.7)	9.9	(5.6-17.5)
Pershing	1	---	---	---	---
Storey	2	---	---	---	---
Washoe	165	10.1	(8.5-11.6)	11.5	(9.8-13.5)
White Pine	3	---	---	---	---
Unknown	1	---	---	---	---
Total	973	10.5	(9.8-11.1)	11.7	(11.0-12.5)

Note: The “---“ is used for rates calculated on numbers less than ten. *Rates are per 100,000 population. **Rates are per 100,000 population and are age-adjusted to the 2000 US Standard population.

Table 195. Leukemia Cases by Race/Ethnicity and Gender, Nevada Residents, 1996-2000

Race/Ethnicity		Gender			
		Male	Female	Other/Unknown	Total
White	Incidence	485	333	0	818
	Rate*	15.0	9.7	---	12.3
	95% C.I.	(13.6-16.5)	(8.7-10.8)	---	(11.4-13.2)
Black	Incidence	21	19	0	40
	Rate*	14.3	8.9	---	10.5
	95% C.I.	(7.4-26.4)	(5.2-14.8)	---	(7.2-15.3)
Native American	Incidence	3	6	0	9
	Rate*	---	---	---	---
	95% C.I.	---	---	---	---
Asian	Incidence	13	14	0	27
	Rate*	7.2	5.8	---	6.4
	95% C.I.	(3.6-20.2)	(3.1-15.8)	---	(4.1-12.3)
Hispanic	Incidence	44	31	0	75
	Rate*	8.8	6.8	---	7.8
	95% C.I.	(5.5-15.9)	(4.2-11.3)	---	(5.6-11.0)
Other/Unknown		2	2	0	4
Total	Incidence	568	405	0	973
	Rate*	14.2	9.4	---	11.7
	95% C.I.	(13.0-15.5)	(8.5-10.4)	---	(11.0-12.5)

Note: The “---“ is used for rates calculated on numbers less than ten. *Rates are per 100,000 population and are age-adjusted to the 2000 US Standard population.

Table 196. Leukemia Cases by Age Group and Gender, Nevada Residents, 1996-2000

Age Group	Gender			
	Male	Female	Other/ Unknown	Total
<1	5	2	0	7
Rate*	---	---	---	---
95% C.I.	---	---	---	---
1-4	19	15	0	34
Rate*	6.8	5.6	---	6.2
95% C.I.	(3.7-9.9)	(2.8-8.4)	---	(4.1-8.3)
5-14	34	19	0	53
Rate*	5.0	3.0	---	4.0
95% C.I.	(3.3-6.7)	(1.6-4.3)	---	(2.9-5.1)
15-24	16	14	0	30
Rate*	2.4	2.3	---	2.3
95% C.I.	(1.2-3.6)	(1.1-3.5)	---	(1.5-3.2)
25-34	19	18	0	37
Rate*	2.6	2.6	---	2.6
95% C.I.	(1.4-3.7)	(1.4-3.8)	---	(1.8-3.4)
35-44	29	19	0	48
Rate*	3.8	2.6	---	3.2
95% C.I.	(2.4-5.1)	(1.4-3.8)	---	(2.3-4.1)
45-54	56	36	0	92
Rate*	9.1	6.0	---	7.6
95% C.I.	(6.7-11.5)	(4.1-8.0)	---	(6.1-9.2)
55-64	91	56	0	147
Rate*	21.2	13.0	---	17.1
95% C.I.	(16.9-25.6)	(9.6-16.4)	---	(14.3-19.8)
65-74	153	98	0	251
Rate*	50.0	31.2	---	40.5
95% C.I.	(42.1-58.0)	(25.0-37.4)	---	(35.5-45.5)
75-84	122	83	0	205
Rate*	82.7	46.0	---	62.5
95% C.I.	(68.0-97.4)	(36.1-55.9)	---	(54.0-71.1)
85+	23	45	0	68
Rate*	101.4	94.2	---	96.5
95% C.I.	(60.0-142.9)	(66.7-121.7)	---	(73.6-119.5)
Unknown	1	0	0	1
Total	568	405	0	973
Rate*	12.0	8.9	---	10.5
95% C.I.	(11.0-13.0)	(8.0-9.7)	---	(9.8-11.1)

* Rates are per 100,000 age-specific population.

Note: The "----" is used for rates calculated on numbers less than ten.

Table 197. Leukemia Incidence by Age Group and Stage, Nevada Residents, 1996-2000

Age Group		Stage					
		In situ	Localized	Regional	Distant	Unstaged	Total
<1	Number	0	0	0	6	1	7
	Percent	---	---	---	85.7%	14.3%	100.0%
1-4	Number	0	0	0	34	0	34
	Percent	---	---	---	100.0%	---	100.0%
5-14	Number	0	0	0	52	1	53
	Percent	---	---	---	98.1%	1.9%	100.0%
15-24	Number	0	0	0	29	1	30
	Percent	---	---	---	96.7%	3.3%	100.0%
25-34	Number	0	0	0	36	1	37
	Percent	---	---	---	97.3%	2.7%	100.0%
35-44	Number	0	0	0	44	4	48
	Percent	---	---	---	91.7%	8.3%	100.0%
45-54	Number	0	0	0	82	10	92
	Percent	---	---	---	89.1%	10.9%	100.0%
55-64	Number	0	0	0	138	9	147
	Percent	---	---	---	93.9%	6.1%	100.0%
65-74	Number	0	0	0	218	33	251
	Percent	---	---	---	86.9%	13.1%	100.0%
75-84	Number	0	0	0	169	36	205
	Percent	---	---	---	82.4%	17.6%	100.0%
85+	Number	0	0	0	49	19	68
	Percent	---	---	---	72.1%	27.9%	100.0%
Unknown	Number	0	0	0	1	0	1
	Percent	---	---	---	100.0%	---	100.0%
Total	Number	0	0	0	858	115	973
	Percent	---	---	---	88.2%	11.8%	100.0%

Table 198. Leukemia Cases by Stage and Race/Ethnicity, Nevada Residents, 1996-2000

Stage		Race/Ethnicity						Total
		White	Black	Native American	Asian	Hispanic	Other/Unknown	
In situ	Number	0	0	0	0	0	0	0
	Percent	---	---	---	---	---	---	---
Localized	Number	0	0	0	0	0	0	0
	Percent	---	---	---	---	---	---	---
Regional	Number	0	0	0	0	0	0	0
	Percent	---	---	---	---	---	---	---
Distant	Number	722	31	6	25	70	4	858
	Percent	88.3%	77.5%	66.7%	92.6%	93.3%	100.0%	88.2%
Unstaged	Number	96	9	3	2	5	0	115
	Percent	11.7%	22.5%	33.3%	7.4%	6.7%	---	11.8%
Total	Number	818	40	9	27	75	4	973
	Percent	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%

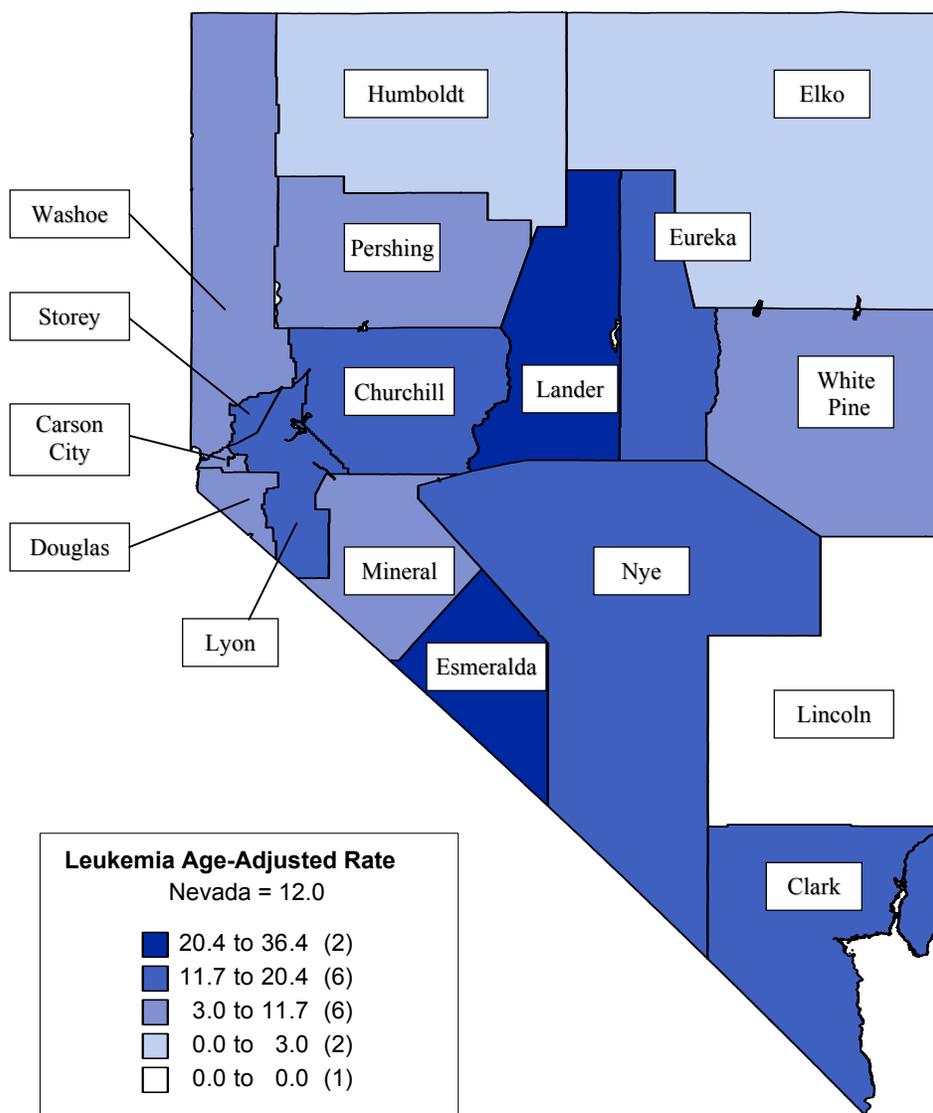
Table 199. Median Age at Diagnosis of Leukemia by Race/Ethnicity and Gender, Nevada Residents, 1996-2000

Race/Ethnicity	Gender					
	Male		Female		Total	
	Incidence	Median Age	Incidence	Median Age	Incidence	Median Age
White	484	68.0	333	70.0	817	68.0
Black	21	65.0	19	68.0	40	66.5
Native American	3	---	6	43.0	9	42.0
Asian	13	33.0	14	11.5	27	15.0
Hispanic	44	25.0	31	41.0	75	35.0
Other/Unknown	2	---	2	---	4	---
Total	567	66.0	405	67.0	972	66.0

Note: Those cases of other/unknown gender and/or unknown ages are not included in this table. The median age was not calculated for those numbers less than five.

INPATIENT HOSPITAL DISCHARGES

Figure 131. Leukemia Age-Adjusted (2000) Inpatient Discharge Rates, Nevada Residents, 1996-2000



Note: Rates are per 100,000 population and age-adjusted to 2000 US Standard population. Caution should be used when interpreting rates based upon small numbers and comparing inpatient hospital discharge rates to other data sources, because it is occurrence based data. See Technical notes for more information.

Figure 132. Leukemia Age-Adjusted Inpatient Discharge Rates by County/Region of Residence, Nevada Residents, 1996-2000

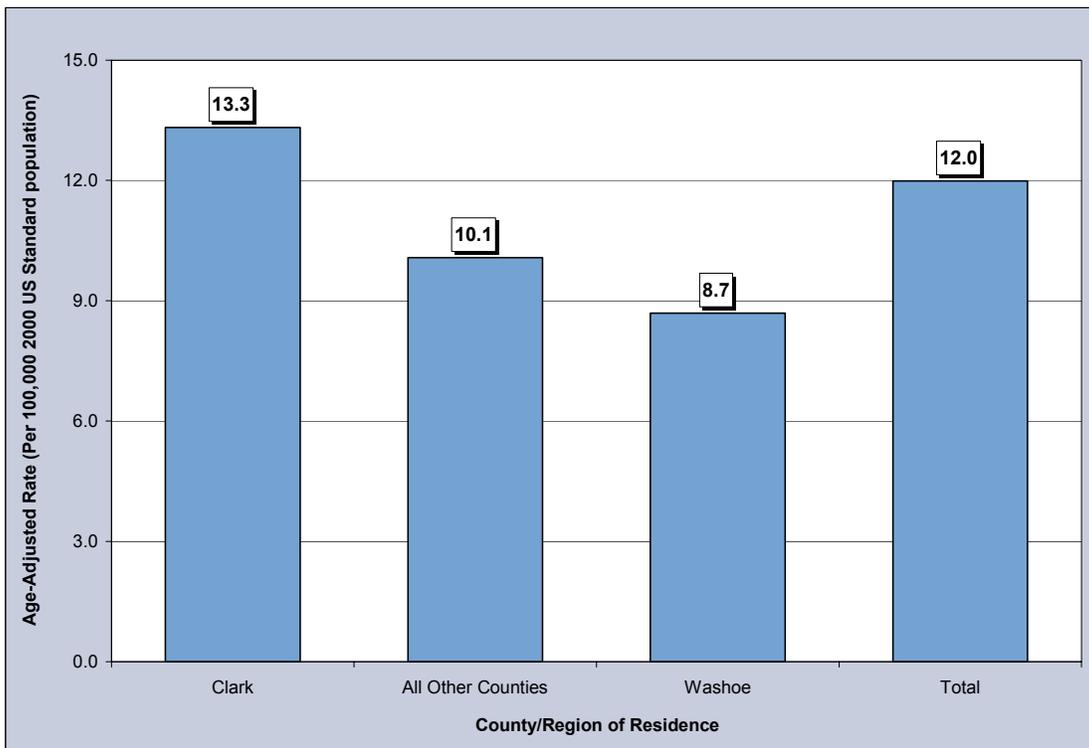


Figure 133. Median Charges for Leukemia Inpatient Discharges by County/Region of Residence, Nevada Residents, 1996-2000

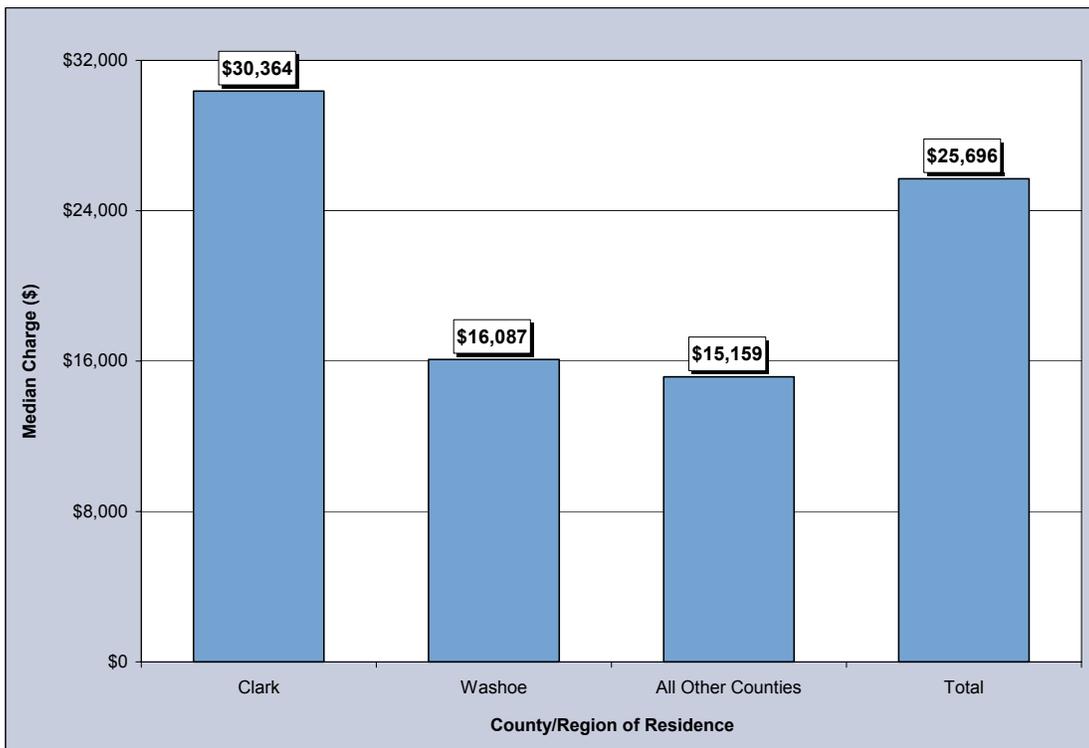


Figure 134. Average Length of Stay for Leukemia Inpatient Discharges by County/Region of Residence, Nevada Residents, 1996-2000

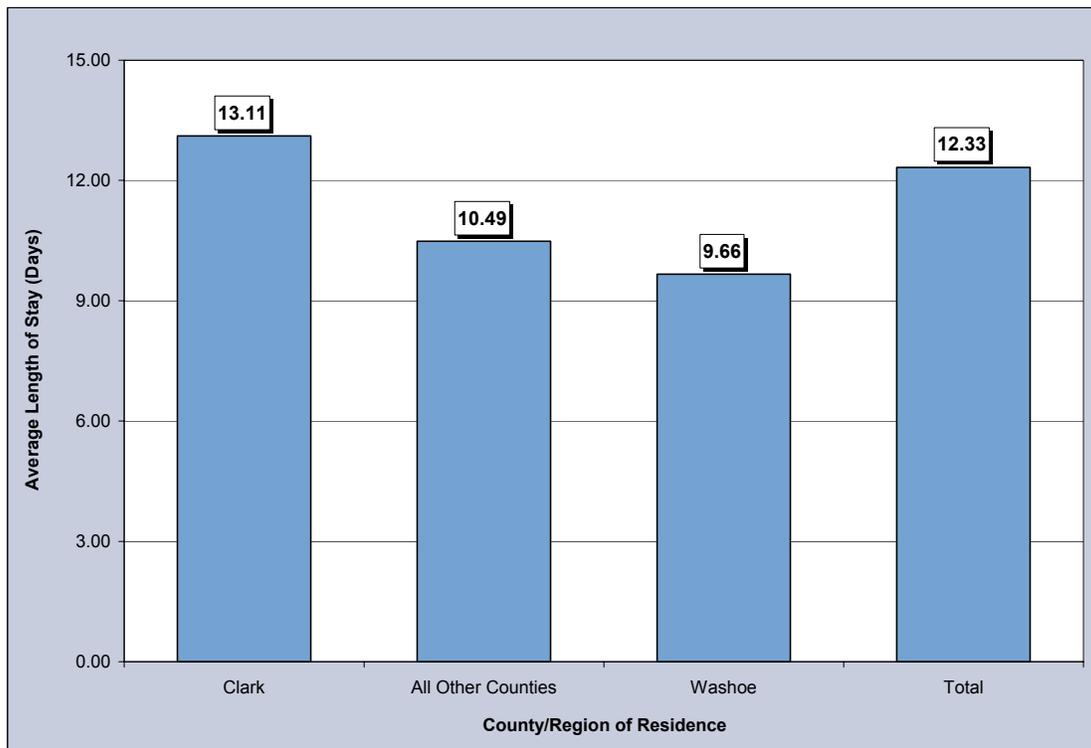


Table 200. Leukemia Inpatient Discharges by Gender, Charges, Length of Stay, and County/Region of Residence, Nevada Residents, 1996-2000

Category	County/Region of Residence				
	Nevada Total	Clark	Washoe	All Other Counties	Unknown
Total					
Discharges	1,040	771	132	136	1
Rate*	12.0	13.3	8.7	10.1	---
95% C.I.	(11.3-12.8)	(12.4-14.3)	(7.3-10.4)	(8.4-12.0)	---
Gender					
Male	609	463	69	76	1
Rate*	14.7	16.9	9.4	11.3	---
95% C.I.	(13.5-16.0)	(15.3-18.8)	(7.2-12.2)	(8.8-14.5)	---
Female	431	308	63	60	0
Rate*	9.7	10.3	8.1	8.8	---
95% C.I.	(8.8-10.6)	(9.2-11.6)	(6.2-10.4)	(6.7-11.4)	---
Other/Unknown	0	0	0	0	0
Inpatient Discharge Charges (\$)					
Total Charges	\$55,395,907	\$44,450,955	\$5,231,348	\$5,668,727	\$44,877
Average Charges	\$53,265	\$57,654	\$39,631	\$41,682	\$44,877
Median Charges	\$25,696	\$30,364	\$16,087	\$15,159	\$44,877
Discharge Length of Stay (LOS) (Days)					
Total LOS	12,818	10,108	1,275	1,426	9
Average LOS	12.3	13.1	9.7	10.5	9.0
Median LOS	7.0	8.0	6.0	5.5	9.0

* Rates are per 100,000 population and are age-adjusted to the 2000 US Standard population.

Note: The "---" is used for rates calculated on numbers less than ten. Caution should be used when comparing inpatient hospital discharge data to other data sources, since it is occurrence-based data. Please see Technical Notes for more information.

Table 201. Leukemia Inpatient Discharges by Age Group and County/Region of Residence, Nevada Residents, 1996-2000

Category	County/Region of Residence				
	Nevada Total	Clark	Washoe	All Other Counties	Unknown
Total					
Discharges	1,040	771	132	136	1
Rate*	11.2	12.2	8.1	9.9	---
95% C.I.	(10.5-11.9)	(11.4-13.1)	(6.7-9.4)	(8.3-11.6)	---
Age Group					
<1	6	6	0	0	0
Rate*	---	---	---	---	---
95% C.I.	---	---	---	---	---
1-4	57	47	2	8	0
Rate*	10.4	12.4	---	---	---
95% C.I.	(7.7-13.1)	(8.8-15.9)	---	---	---
5-14	131	117	7	7	0
Rate*	9.9	13.2	---	---	---
95% C.I.	(8.2-11.6)	(10.8-15.5)	---	---	---
15-24	58	42	9	7	0
Rate*	4.5	4.8	---	---	---
95% C.I.	(3.4-5.7)	(3.4-6.3)	---	---	---
25-34	57	40	8	9	0
Rate*	4.0	3.9	---	---	---
95% C.I.	(2.9-5.0)	(2.7-5.1)	---	---	---
35-44	54	40	9	5	0
Rate*	3.6	4.0	---	---	---
95% C.I.	(2.7-4.6)	(2.8-5.3)	---	---	---
45-54	91	63	17	11	0
Rate*	7.5	8.0	7.6	4.9	---
95% C.I.	(6.0-9.1)	(6.0-9.9)	(4.0-11.2)	(2.0-7.8)	---
55-64	171	124	24	22	1
Rate*	19.9	21.3	17.0	15.6	---
95% C.I.	(16.9-22.8)	(17.6-25.1)	(10.2-23.8)	(9.1-22.1)	---
65-74	213	146	31	36	0
Rate*	34.4	35.2	30.7	35.7	---
95% C.I.	(29.7-39.0)	(29.5-40.9)	(19.9-41.6)	(24.0-47.4)	---
75-84	157	114	23	20	0
Rate*	47.9	52.7	41.8	36.3	---
95% C.I.	(40.4-55.4)	(43.0-62.4)	(24.7-58.9)	(20.4-52.3)	---
85+	45	32	2	11	0
Rate*	63.9	74.7	---	76.3	---
95% C.I.	(45.2-82.5)	(48.8-100.6)	---	(31.2-121.4)	---
Unknown	0	0	0	0	0

* Rates are per 100,000 age-specific population.

Note: The “---“ is used for rates calculated on numbers less than ten. Caution should be used when comparing inpatient hospital discharge data to other data sources, since it is occurrence-based data. Please see Technical Notes for more information.

Table 202. Leukemia Inpatient Discharges by Age Group and Gender, Nevada Residents, 1996-2000

Age Group	Gender		
	Male	Female	Total
<1	4	2	6
Rate*	---	---	---
95% C.I.	---	---	---
1-4	31	26	57
Rate*	11.1	9.7	10.4
95% C.I.	(7.2-15.0)	(6.0-13.4)	(7.7-13.1)
5-14	80	51	131
Rate*	11.7	8.0	9.9
95% C.I.	(9.2-14.3)	(5.8-10.1)	(8.2-11.6)
15-24	34	24	58
Rate*	5.1	3.9	4.5
95% C.I.	(3.4-6.8)	(2.3-5.5)	(3.4-5.7)
25-34	27	30	57
Rate*	3.6	4.4	4.0
95% C.I.	(2.3-5.0)	(2.8-5.9)	(2.9-5.0)
35-44	41	13	54
Rate*	5.3	1.8	3.6
95% C.I.	(3.7-6.9)	(0.8-2.8)	(2.7-4.6)
45-54	51	40	91
Rate*	8.3	6.7	7.5
95% C.I.	(6.0-10.6)	(4.6-8.8)	(6.0-9.1)
55-64	104	67	171
Rate*	24.3	15.5	19.9
95% C.I.	(19.6-28.9)	(11.8-19.2)	(16.9-22.8)
65-74	117	96	213
Rate*	38.3	30.6	34.4
95% C.I.	(31.3-45.2)	(24.4-36.7)	(29.7-39.0)
75-84	99	58	157
Rate*	67.1	32.2	47.9
95% C.I.	(53.9-80.4)	(23.9-40.5)	(40.4-55.4)
85+	21	24	45
Rate*	92.6	50.2	63.9
95% C.I.	(53.0-132.2)	(30.1-70.3)	(45.2-82.5)
Unknown	0	0	0
Total	609	431	1,040
Rate*	12.9	9.4	11.2
95% C.I.	(11.9-13.9)	(8.5-10.3)	(10.5-11.9)

* Rates are per 100,000 age-specific population.

Note: The "---" is used for rates calculated on numbers less than ten. Caution should be used when comparing inpatient hospital discharge data to other data sources, since it is occurrence-based data. Please see Technical Notes for more information.

Table 203. Leukemia Inpatient Discharges by County/Region of Residence, Nevada Residents, 1996-2000

County of Residence	1996-2000 Inpatient Hospital Discharges				
	Number	Rate*		Age-Adjusted Rate**	
		Rate	95% C.I.	Rate	95% C.I.
Carson City	18	7.3	(4.0-10.7)	7.0	(4.1-11.2)
Churchill	17	14.4	(7.6-21.3)	14.2	(8.2-23.6)
Clark	771	12.2	(11.4-13.1)	13.3	(12.4-14.3)
Douglas	21	10.5	(6.0-15.0)	11.0	(6.7-17.5)
Elko	5	---	---	---	---
Esmeralda	3	---	---	---	---
Eureka	1	---	---	---	---
Humboldt	1	---	---	---	---
Lander	4	---	---	---	---
Lincoln	0	---	---	---	---
Lyon	30	18.5	(11.9-25.2)	17.4	(11.6-25.7)
Mineral	3	---	---	---	---
Nye	27	18.2	(11.3-25.1)	14.8	(9.4-23.2)
Pershing	1	---	---	---	---
Storey	1	---	---	---	---
Washoe	132	8.1	(6.7-9.4)	8.7	(7.3-10.4)
White Pine	4	---	---	---	---
Unknown	1	---	---	---	---
Total	1,040	11.2	(10.5-11.9)	12.0	(11.3-12.8)

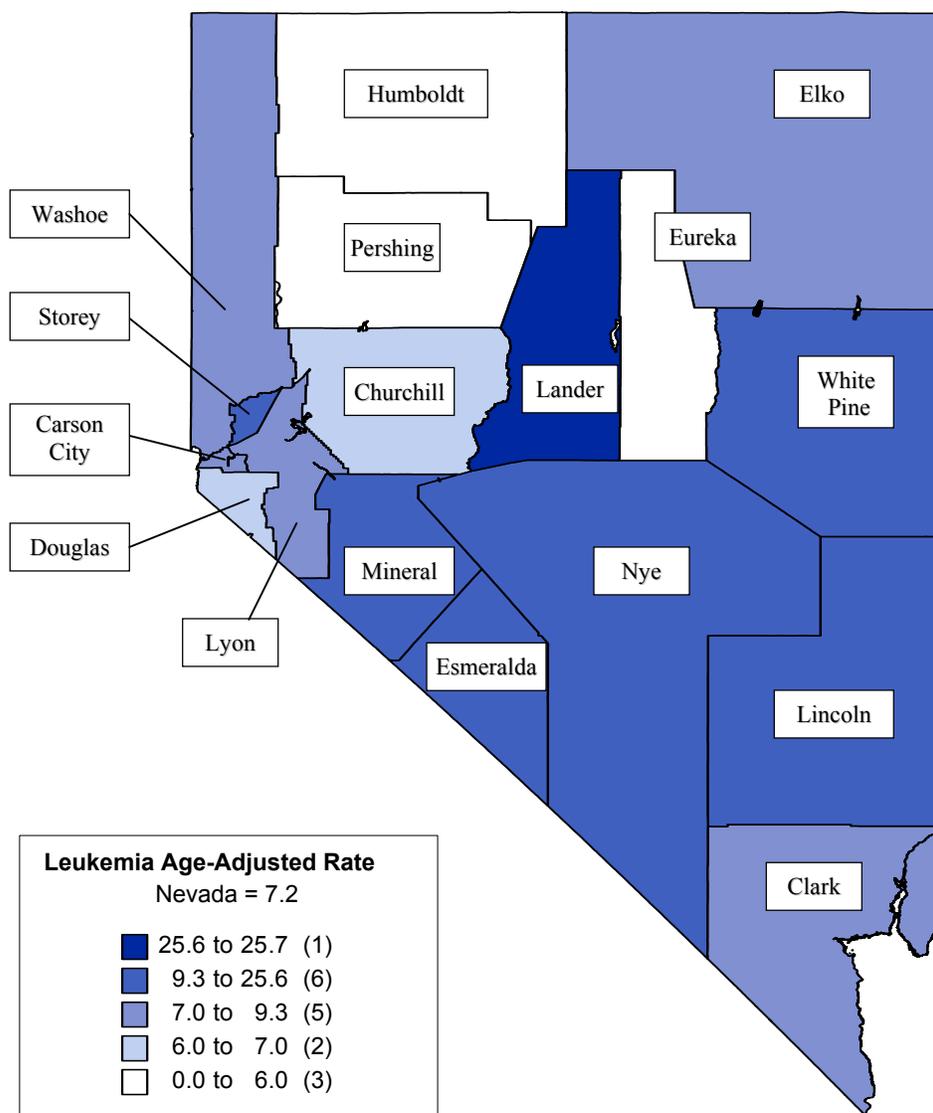
Note: The “---“ is used for rates calculated on numbers less than ten. *Rates are per 100,000 population. **Rates are per 100,000 population and are age-adjusted to the 2000 US Standard population.

Table 204. Leukemia Inpatient Discharges by Age Group, Charges and Length of Stay, Nevada Residents, 1996-2000

Age Group	Discharges	Charges (\$)			Length of Stay (Days)		
		Total	Average	Median	Total	Average	Median
<1	6	462,625	77,104	52,804	107	17.8	17.0
1-4	57	2,115,287	37,110	32,614	524	9.2	8.0
5-14	131	6,112,104	46,657	35,211	1,219	9.3	7.0
15-24	58	3,301,419	56,921	29,708	811	14.0	7.0
25-34	57	4,217,996	74,000	50,516	908	15.9	10.0
35-44	54	3,602,168	66,707	37,395	932	17.3	14.5
45-54	91	6,650,048	73,077	33,212	1,465	16.1	10.0
55-64	171	10,282,850	60,134	27,660	2,348	13.7	8.0
65-74	213	12,258,013	57,549	27,986	2,767	13.0	7.0
75-84	157	5,621,392	35,805	15,479	1,451	9.2	6.0
85+	45	772,005	17,156	15,154	286	6.4	5.0
Unknown	0	---	---	---	---	---	---
Total	1,040	55,395,907	53,265	25,696	12,818	12.3	7.0

MORTALITY

Figure 135. Leukemia Age-Adjusted (2000) Mortality Rates, Nevada Residents, 1996-2000



Note: Rates are per 100,000 population and age-adjusted to 2000 US Standard population. Caution should be used when interpreting rates based upon small numbers. See Technical notes for more information.

Figure 136. Leukemia Age-Adjusted Mortality Rates by County/Region of Residence, Nevada Residents, 1996-2000

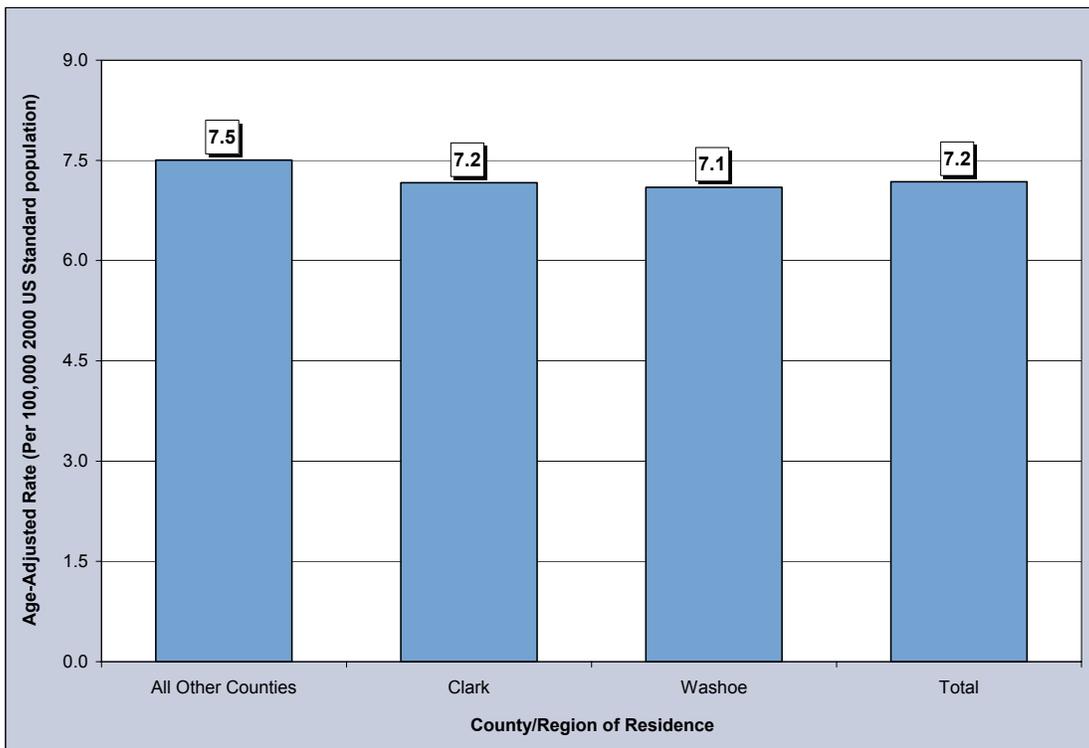


Figure 137. Leukemia Age-Adjusted Mortality Rates by Race/Ethnicity, Nevada Residents, 1996-2000

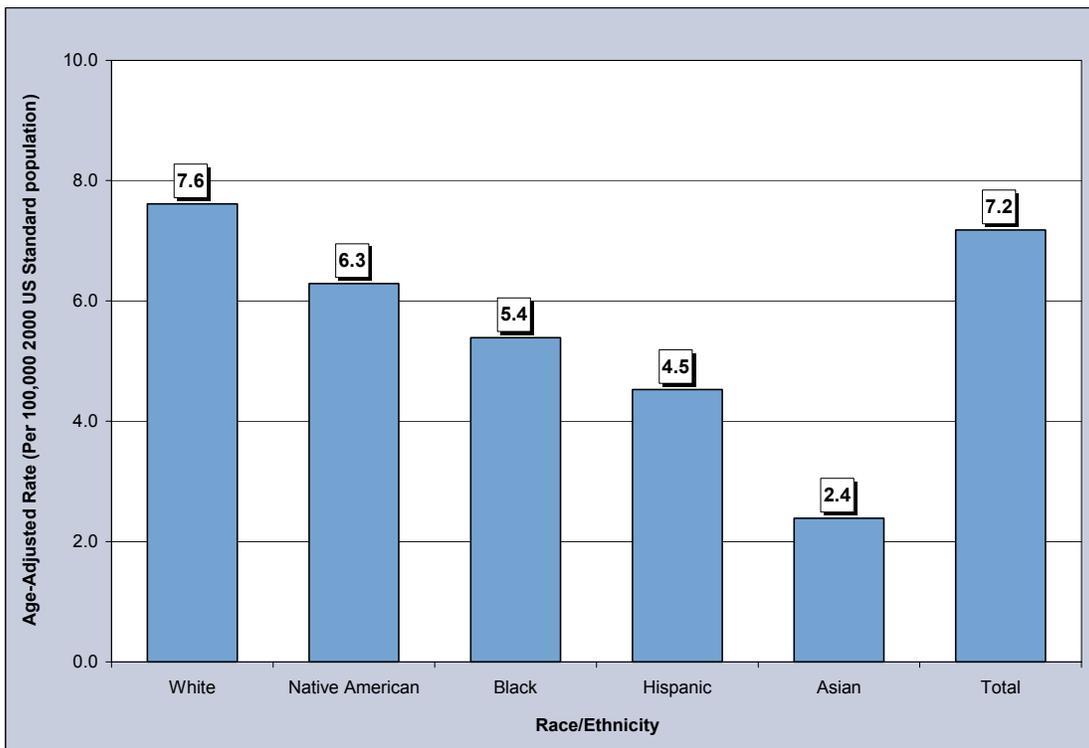


Table 205. Leukemia Mortality by Gender, Race/Ethnicity and County/Region of Residence, Nevada Residents, 1996-2000

Category	County/Region of Residence			
	Nevada Total	Clark	Washoe	All Other Counties
Total				
Mortality	568	372	100	96
Rate*	7.2	7.2	7.1	7.5
95% C.I.	(6.6-7.8)	(6.4-8.0)	(5.8-8.7)	(6.0-9.3)
Gender				
Male	330	224	57	49
Rate*	8.9	9.4	8.6	7.8
95% C.I.	(7.9-10.0)	(8.1-10.9)	(6.4-11.5)	(5.7-10.7)
Female	238	148	43	47
Rate*	5.7	5.4	5.7	7.0
95% C.I.	(5.0-6.5)	(4.5-6.3)	(4.1-7.7)	(5.1-9.4)
Other/Unknown	0	0	0	0
Race/Ethnicity				
White	502	323	92	87
Rate*	7.6	7.8	7.4	7.5
95% C.I.	(6.9-8.3)	(6.9-8.7)	(6.0-9.2)	(5.9-9.3)
Black	19	19	0	0
Rate*	5.4	5.9	---	---
95% C.I.	(3.1-9.2)	(3.3-10.2)	---	---
Native American	6	2	0	4
Rate*	---	---	---	---
95% C.I.	---	---	---	---
Asian	9	8	1	0
Rate*	---	---	---	---
95% C.I.	---	---	---	---
Hispanic	30	20	5	5
Rate*	4.5	4.0	---	---
95% C.I.	(2.8-7.5)	(2.2-7.6)	---	---
Other/Unknown	2	0	2	0

*Rates are per 100,000 population and are age-adjusted to the 2000 US Standard population.

Note: The "—" is used for rates calculated on numbers less than ten.

Table 206. Leukemia Mortality by Age Group and County/Region of Residence, Nevada Residents, 1996-2000

Category	County/Region of Residence			
	Nevada Total	Clark	Washoe	All Other Counties
Total				
Mortality	568	372	100	96
Rate*	6.1	5.9	6.1	7.0
95% C.I.	(5.6-6.6)	(5.3-6.5)	(4.9-7.3)	(5.6-8.4)
Age Group				
<1	1	0	0	1
Rate*	---	---	---	---
95% C.I.	---	---	---	---
1-4	3	1	1	1
Rate*	---	---	---	---
95% C.I.	---	---	---	---
5-14	7	7	0	0
Rate*	---	---	---	---
95% C.I.	---	---	---	---
15-24	15	11	1	3
Rate*	1.2	1.3	---	---
95% C.I.	(0.6-1.8)	(0.5-2.0)	---	---
25-34	6	4	0	2
Rate*	---	---	---	---
95% C.I.	---	---	---	---
35-44	21	13	6	2
Rate*	1.4	1.3	---	---
95% C.I.	(0.8-2.0)	(0.6-2.0)	---	---
45-54	48	34	8	6
Rate*	4.0	4.3	---	---
95% C.I.	(2.8-5.1)	(2.8-5.7)	---	---
55-64	86	57	15	14
Rate*	10.0	9.8	10.6	10.1
95% C.I.	(7.9-12.1)	(7.3-12.3)	(5.2-16.0)	(4.8-15.5)
65-74	155	96	35	24
Rate*	25.0	23.2	34.7	23.0
95% C.I.	(21.1-28.9)	(18.5-27.8)	(23.2-46.2)	(13.8-32.2)
75-84	170	114	28	28
Rate*	51.9	52.7	50.9	49.6
95% C.I.	(44.1-59.7)	(43.0-62.4)	(32.0-69.7)	(31.2-67.9)
85+	56	35	6	15
Rate*	79.5	81.7	---	113.7
95% C.I.	(58.7-100.3)	(54.6-108.8)	---	(56.2-171.2)
Unknown	0	0	0	0

* Rates are per 100,000 age-specific population.

Note: The "—" is used for rates calculated on numbers less than ten.

Table 207. Leukemia Mortality by County of Residence, Nevada Residents, 1996-2000

County of Residence	1996-2000 Mortality				
	Cases	Rate*		Age-Adjusted Rate**	
		Rate	95% C.I.	Rate	95% C.I.
Carson City	20	8.2	(4.6-11.7)	7.2	(4.3-11.3)
Churchill	7	---	---	---	---
Clark	372	5.9	(5.3-6.5)	7.2	(6.4-8.0)
Douglas	14	7.0	(3.3-10.7)	6.2	(3.3-11.3)
Elko	9	---	---	---	---
Esmeralda	1	---	---	---	---
Eureka	0	---	---	---	---
Humboldt	1	---	---	---	---
Lander	5	---	---	---	---
Lincoln	3	---	---	---	---
Lyon	12	7.4	(3.2-11.6)	7.3	(3.7-13.5)
Mineral	3	---	---	---	---
Nye	15	10.1	(5.0-15.2)	9.3	(4.8-17.3)
Pershing	0	---	---	---	---
Storey	1	---	---	---	---
Washoe	100	6.1	(4.9-7.3)	7.1	(5.8-8.7)
White Pine	5	---	---	---	---
Unknown	0	---	---	---	---
Total	568	6.1	(5.6-6.6)	7.2	(6.6-7.8)

Note: The “---“ is used for rates calculated on numbers less than ten. *Rates are per 100,000 population. **Rates are per 100,000 population and are age-adjusted to the 2000 US Standard population.

Table 208. Leukemia Mortality by Race/Ethnicity and Gender, Nevada Residents, 1996-2000

Race/Ethnicity		Gender		
		Male	Female	Total
White	Mortality	293	209	502
	Rate*	9.4	6.0	7.6
	95% C.I.	(8.3-10.7)	(5.2-6.9)	(6.9-8.3)
Black	Mortality	10	9	19
	Rate*	6.6	---	5.4
	95% C.I.	(2.5-16.1)	---	(3.1-9.2)
Native American	Mortality	2	4	6
	Rate*	---	---	---
	95% C.I.	---	---	---
Asian	Mortality	7	2	9
	Rate*	---	---	---
	95% C.I.	---	---	---
Hispanic	Mortality	16	14	30
	Rate*	5.2	4.0	4.5
	95% C.I.	(2.6-12.0)	(2.0-8.0)	(2.8-7.5)
Other/Unknown	Mortality	2	0	2
	Rate*	---	---	---
	95% C.I.	---	---	---
Total	Mortality	330	238	568
	Rate*	8.9	5.7	7.2
	95% C.I.	(7.9-10.0)	(5.0-6.5)	(6.6-7.8)

Note: The “---“ is used for rates calculated on numbers less than ten. *Rates are per 100,000 population. **Rates are per 100,000 population and are age-adjusted to the 2000 US Standard population.

Table 209. Leukemia Mortality by Age Group and Gender, Nevada Residents, 1996-2000

Age Group	Gender		
	Male	Female	Total
<1	1	0	1
Rate*	---	---	---
95% C.I.	---	---	---
1-4	1	2	3
Rate*	---	---	---
95% C.I.	---	---	---
5-14	4	3	7
Rate*	---	---	---
95% C.I.	---	---	---
15-24	10	5	15
Rate*	1.5	---	1.2
95% C.I.	(0.6-2.4)	---	(0.6-1.8)
25-34	1	5	6
Rate*	---	---	---
95% C.I.	---	---	---
35-44	12	9	21
Rate*	1.6	---	1.4
95% C.I.	(0.7-2.4)	---	(0.8-2.0)
45-54	31	17	48
Rate*	5.1	2.8	4.0
95% C.I.	(3.3-6.8)	(1.5-4.2)	(2.8-5.1)
55-64	58	28	86
Rate*	13.5	6.5	10.0
95% C.I.	(10.0-17.0)	(4.1-8.9)	(7.9-12.1)
65-74	88	67	155
Rate*	28.8	21.3	25.0
95% C.I.	(22.8-34.8)	(16.2-26.4)	(21.1-28.9)
75-84	104	66	170
Rate*	70.5	36.6	51.9
95% C.I.	(57.0-84.1)	(27.8-45.4)	(44.1-59.7)
85+	20	36	56
Rate*	88.2	75.4	79.5
95% C.I.	(49.5-126.9)	(50.7-100.0)	(58.7-100.3)
Unknown	0	0	0
Total	330	238	568
Rate*	7.0	5.2	6.1
95% C.I.	(6.2-7.7)	(4.5-5.9)	(5.6-6.6)

* Rates are per 100,000 age-specific population.

Note: The "—" is used for rates calculated on numbers less than ten.

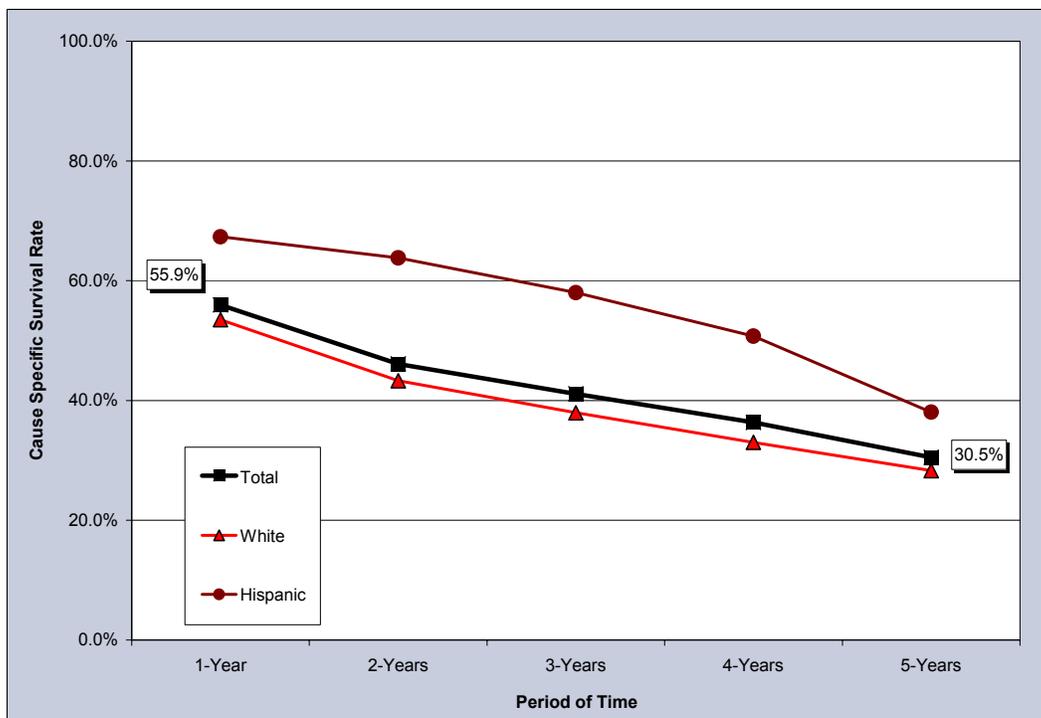
Table 210. Median Age at Death from Leukemia by Race/Ethnicity and Gender, Nevada Residents, 1996-2000

Race/Ethnicity	Gender					
	Male		Female		Total	
	Deaths	Median Age	Deaths	Median Age	Deaths	Median Age
White	293	71.0	209	73.0	502	72.0
Black	10	72.5	9	73.0	19	73.0
Native American	2	---	4	---	6	46.5
Asian	7	63.0	2	---	9	63.0
Hispanic	16	62.0	14	60.5	30	61.0
Other/Unknown	2	---	0	---	2	---
Total	330	71.0	238	73.0	568	71.0

Note: Those cases of other/unknown gender and/or unknown ages are not included in this table. The median age was not calculated for those numbers less than five.

SURVIVAL RATE

Figure 138. Survival Rates for Leukemia by Race/Ethnicity, Nevada Residents, 1996-2000



Notes: The survival rate for those racial/ethnic groups not included in this chart could not be calculated due to small cell size.

Figure 139. Survival Rates for Leukemia by Stage of Cancer at Diagnosis, Nevada Residents, 1996-2000

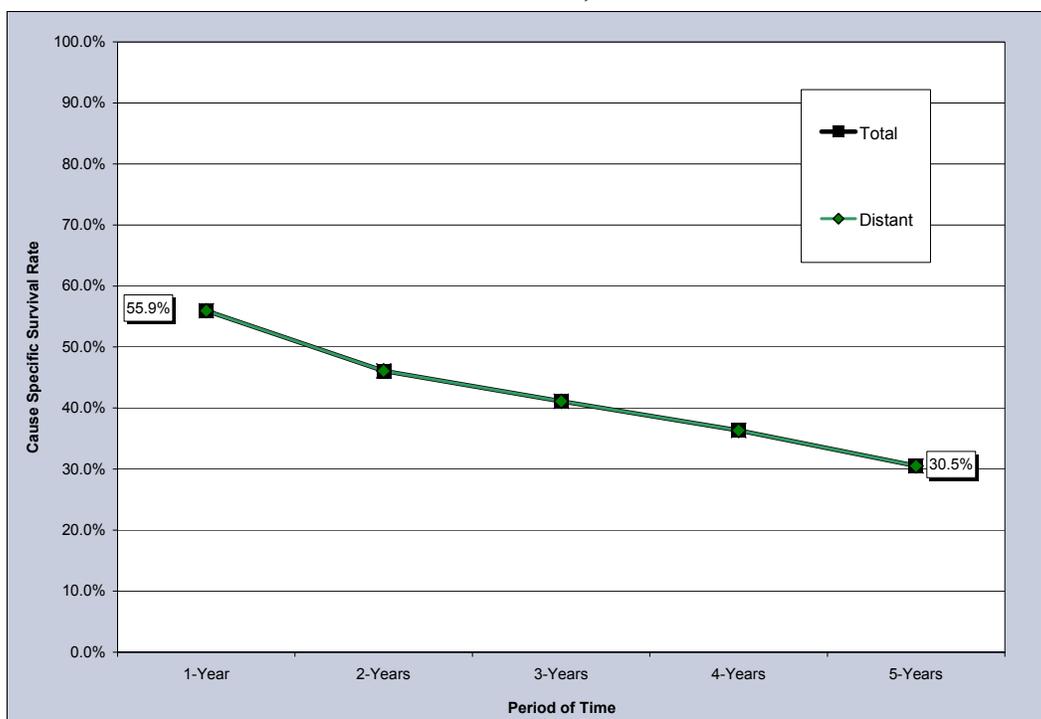


Table 211. Cause-Specific Survival Rates for Leukemia by Race/Ethnicity and Gender, Nevada Residents, 1996-2000

Race/ Ethnicity and Gender	Number of Cases	Cause Specific Survival Rate					Median Survival Time (years)
		One Year	Two Years	Three Years	Four Years	Five Years	
Total	560	55.9%	46.1%	41.1%	36.3%	30.5%	1.60
Male	338	55.2%	46.2%	41.0%	38.8%	33.3%	1.58
Female	222	57.1%	46.1%	41.4%	33.4%	27.3%	1.65
Race/Ethnicity							
White	461	53.5%	43.3%	37.9%	33.0%	28.3%	1.34
Male	282	52.9%	44.9%	38.7%	35.7%	35.7%	1.36
Female	179	54.4%	41.3%	37.1%	29.7%	21.2%	1.34
Black	15	---	---	---	---	---	---
Male	9	---	---	---	---	---	---
Female	6	---	---	---	---	---	---
Native American	5	---	---	---	---	---	---
Male	1	---	---	---	---	---	---
Female	4	---	---	---	---	---	---
Asian	18	---	---	---	---	---	---
Male	9	---	---	---	---	---	---
Female	9	---	---	---	---	---	---
Hispanic	58	67.3%	63.8%	58.0%	50.8%	38.1%	4.06
Male	36	---	---	---	---	---	---
Female	22	---	---	---	---	---	---

Notes: 1) The “---” indicates that survival rate could not be calculated due to small cell size. Caution should be used when interpreting survival rates based upon categories with a small number of cases. 2) Those cases where the gender and/or race/ethnicity were other/unknown, are not shown separately, but are included in the category totals. 3) These rates may not be directly comparable to National rates because of different methodologies. Caution should be used when trying to compare rates for Nevada and the Nation. For more information on the calculation of survival rates, please refer to Technical Notes section.

Table 212. Cause-Specific Survival Rates for Leukemia by Stage of Cancer at Diagnosis and Gender, Nevada Residents, 1996-2000

Survival Rate of Stage at Diagnosis		Gender		
		Total	Male	Female
Total	Cases	560	338	222
	One Year	55.9%	55.2%	57.1%
	5 Years	30.5%	33.3%	27.3%
	Median Survival	1.60	1.58	1.65
Stage at Diagnosis				
In situ	Cases	0	0	0
	One Year	---	---	---
	5 Years	---	---	---
	Median Survival	---	---	---
Localized	Cases	0	0	0
	One Year	---	---	---
	5 Years	---	---	---
	Median Survival	---	---	---
Regional	Cases	0	0	0
	One Year	---	---	---
	5 Years	---	---	---
	Median Survival	---	---	---
Distant	Cases	560	338	222
	One Year	55.9%	55.2%	57.1%
	5 Years	30.5%	33.3%	27.3%
	Median Survival	1.60	1.58	1.65
Unstaged	Cases	0	0	0
	One Year	---	---	---
	5 Years	---	---	---
	Median Survival	---	---	---

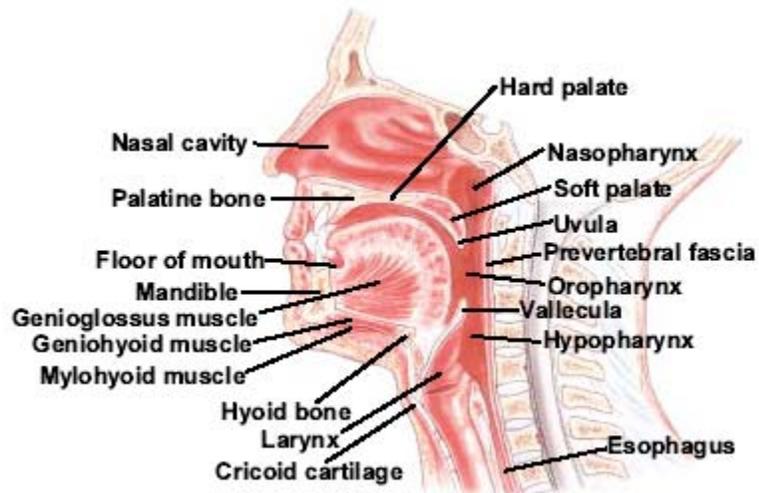
Notes: 1) The “---” indicates that survival rate could not be calculated due to small cell size. Caution should be used when interpreting survival rates based upon categories with a small number of cases. 2) These rates may not be directly comparable to National rates because of different methodologies. Caution should be used when trying to compare rates for Nevada and the Nation. For more information on the calculation of survival rates, please refer to Technical Notes section.

LIP, ORAL CAVITY AND PHARYNX CANCER

LIP, ORAL CAVITY AND PHARYNX CANCER

GENERAL PROFILE⁴

Figure 140. Anatomy of the Oral Cavity⁵



General Anatomy: The oral cavity includes many parts: the lips; the lining inside the lips and cheeks, called the buccal mucosa; the teeth; the bottom (floor) of the mouth under the tongue; the front two-thirds of the tongue; the bony top of the mouth (hard palate); the gums; and the small area behind the wisdom teeth. The oropharynx includes the back one-third of the tongue, the soft palate, the tonsils, and the part of the throat behind the mouth. Salivary glands throughout the oral cavity make saliva, which keeps the mouth moist and helps digest food.

Risk Factors: Tobacco use (especially smokeless tobacco), chronic and/or heavy alcohol use, sun exposure (Lip), history of leukoplakia (whitish patch inside the mouth associated with tobacco use), and erythroplakia (reddish patches usually in those over 60 years old)

Signs and Symptoms: Oral cancer usually occurs in people over the age of 45 but can develop at any age. These are some symptoms to watch for: A sore on the lip or in the mouth that does not heal, a lump on the lip or in the mouth or throat, a white or red patch on the gums, tongue, or lining of the mouth, unusual bleeding, pain, or numbness in the mouth, a sore throat that does not go away, or a feeling that something is caught in the throat, difficulty or pain with chewing or swallowing, swelling of the jaw that causes dentures to fit poorly or become uncomfortable, a change in the voice, and/or, pain in the ear.

Diagnosing the Cancer: Health exam, dental x-rays, head and chest x-rays, computed tomography (CAT) scan, ultrasonography, magnetic resonance imaging (MRI).

Treatment: Surgery, radiation therapy, chemotherapy, and clinical trials.

HIGHLIGHTS

- The ratio of the age-adjusted incidence rate, 10.4, to the age-adjusted mortality rate, 2.5 (per 100,000 – 2000 US Standard population), for Lip, Oral Cavity and Pharynx Cancer was 4.12 during the 1996 to 2000 period, which means that for every 4.12 cases of Lip, Oral Cavity and Pharynx Cancer there was one death for this type of cancer in Nevada during this period.
- Nevadan males had a higher ratio than females when the age-adjusted incidence and age-adjusted mortality rates for Lip, Oral Cavity and Pharynx Cancer were compared. For every male death due to this type of cancer there were 4.49 male cases while there were only 3.68 female cases for every female from 1996 to 2000.
- The median age at diagnosis of Lip, Oral Cavity and Pharynx Cancer for Nevada residents was 62 years of age from 1996 to 2000 while the median age for males and females was 60 and 65.5 years, respectively. The median age at time of death due to Lip, Oral Cavity and Pharynx Cancer was 67 years statewide, 65 years of age for males and 72 years of age for females.

INCIDENCE

- Nevada's age-adjusted incidence rate for Lip, Oral Cavity and Pharynx Cancer (10.4) was only slightly lower than the National rate of 11.0 (per 100,000 – 2000 US Standard population) from 1996 to 2000.
- The statistically significant age-adjusted incidence rate for male Lip, Oral Cavity and Pharynx Cancer, 14.5 (13.3-15.8), was more than double the rate for Females, 6.6 (5.9-7.4), per 100,000 – 2000 US Standard population, during the 1996 to 2000 period.
- While regional comparisons showed that Washoe County's age-adjusted incidence rate for Lip, Oral Cavity and Pharynx Cancer, 11.8, was higher than the rate for All Other Counties and Clark County who had rates of 10.3 and 10.1 (per 100,000 – 2000 US Standard population) from 1996 to 2000, these differences were not statistically significant.
- Whites, as a racial/ethnic group, had the highest age-adjusted incidence rate, 11.5 and were followed by Blacks, Asians and Hispanics with rates of 7.7, 5.8 and 4.3 (per 100,000 – 2000 US Standard population), respectively.

INPATIENT HOSPITAL DISCHARGES

- There were 505 Lip, Oral Cavity and Pharynx Cancer inpatient discharges in Nevada from 1996 to 2000. The statistically significant age-adjusted inpatient discharge rate for males, 7.6 (6.8-8.6), was twice the inpatient discharge rate for females, 3.8 (3.3-4.4), per 100,000 – 2000 US Standard population, in Nevada during this period.

- Total billed charges for hospital inpatient discharges from Lip, Oral Cavity and Pharynx Cancer in Nevada totaled over 17 million dollars from 1996 to 2000. Washoe County had the highest median total charge (\$22,090), while Clark County had the longest average length of stay (7.7 days) during this time; once regional comparisons were made.
- The overall average billed charge per day for a inpatient hospital discharge for Leukemia in Nevada was nearly \$4,500 from 1996 to 2000.

MORTALITY

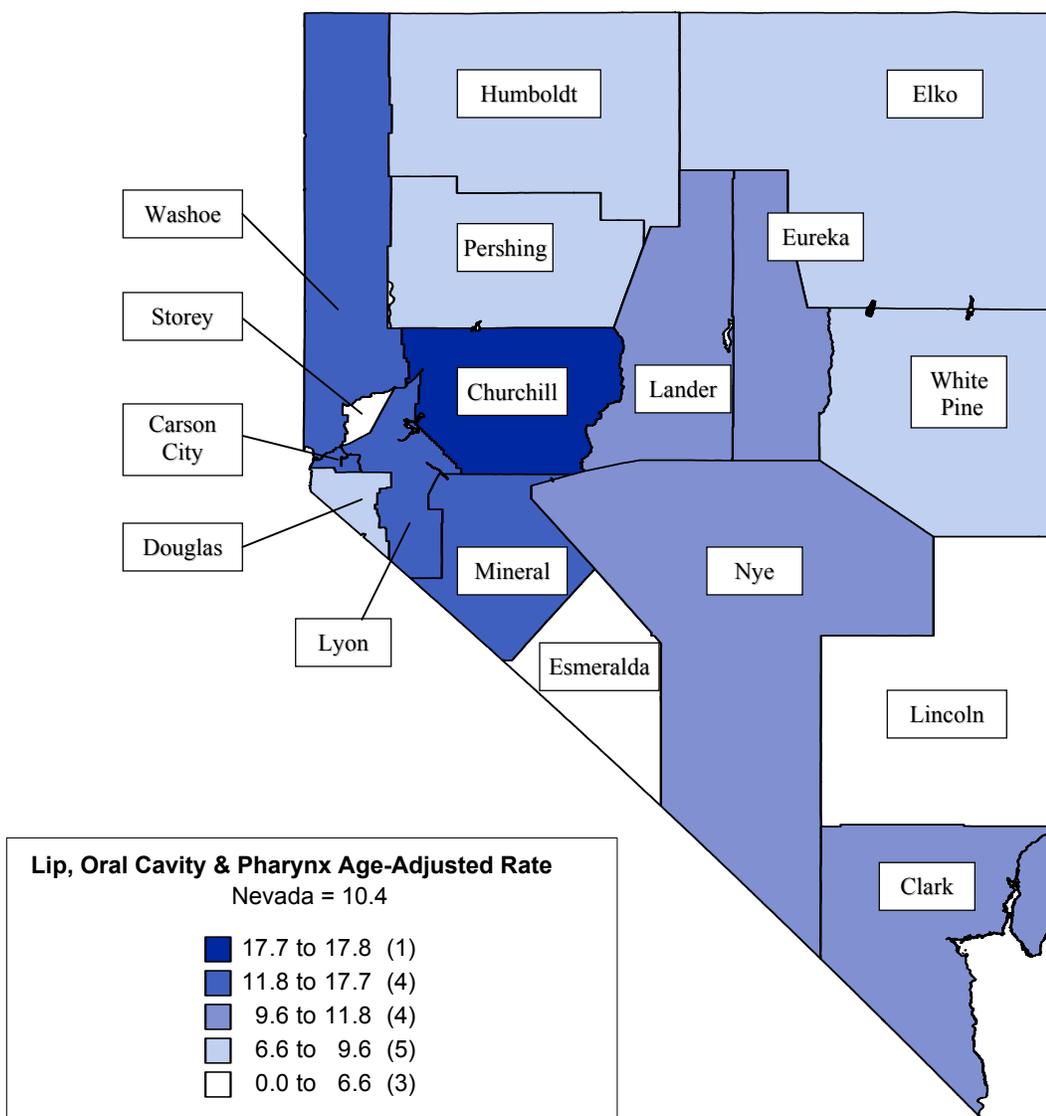
- There were 213 deaths due to Lip, Oral Cavity and Pharynx Cancer in Nevada from 1996 to 2000. While All Other Counties and Washoe County had a higher age-adjusted mortality rate, 3.0, than Clark County, 2.2, statistical analysis shows that there is not a statistically significant difference between the three regions.
- Males had a statistically significant higher age-adjusted mortality rate due to Lip, Oral Cavity and Pharynx Cancer, 3.2 (2.7-3.9), than their female counterparts who had an age-adjusted mortality rate of 1.8 (1.4-2.3), per 100,000 – 2000 US Standard population, during the 1996 to 2000 period.

SURVIVAL RATE

- While females in Nevada had a slightly higher one-year survival rate (77.2%) than males (76.1%) for Lip, Oral Cavity and Pharynx Cancer during the 1996 to 2000 period, their five-year survival rate was lower (28.5%) than the five-year rate for males (33.6%). However, their median survival time was slightly greater than the time for males at 2.89 and 2.64 years, respectively.
- The one-year survival rate for those diagnosed with Lip, Oral Cavity and Pharynx Cancer at the localized stage was 91.2%, while those diagnosed at the regional, distant and unstaged stages had rates of 78.4%, 51.3% and 61.6%, respectively.
- The five-year survival rate for Lip, Oral Cavity and Pharynx Cancer with those at the localized stage was 49.9%, and was followed by those at the regional and distant stages with rates of 25.0% and 16.1%, respectively.
- The Median Survival time for those diagnosed with Lip, Oral Cavity and Pharynx Cancer at the localized stage was 4.00 years, while those diagnosed at the regional, distant and unstaged levels had median survival times of 2.71, 1.09 and 1.46 years, respectively.

INCIDENCE

Figure 141. Lip, Oral Cavity and Pharynx Cancer Age-Adjusted (2000) Incidence Rates, Nevada Residents, 1996-2000



Note: Rates are per 100,000 population and age-adjusted to 2000 US Standard population. Caution should be used when interpreting rates based upon small numbers. See Technical notes for more information.

Figure 142. Lip, Oral Cavity and Pharynx Cancer Age-Adjusted Incidence Rates by County/Region of Residence, Nevada Residents, 1996-2000

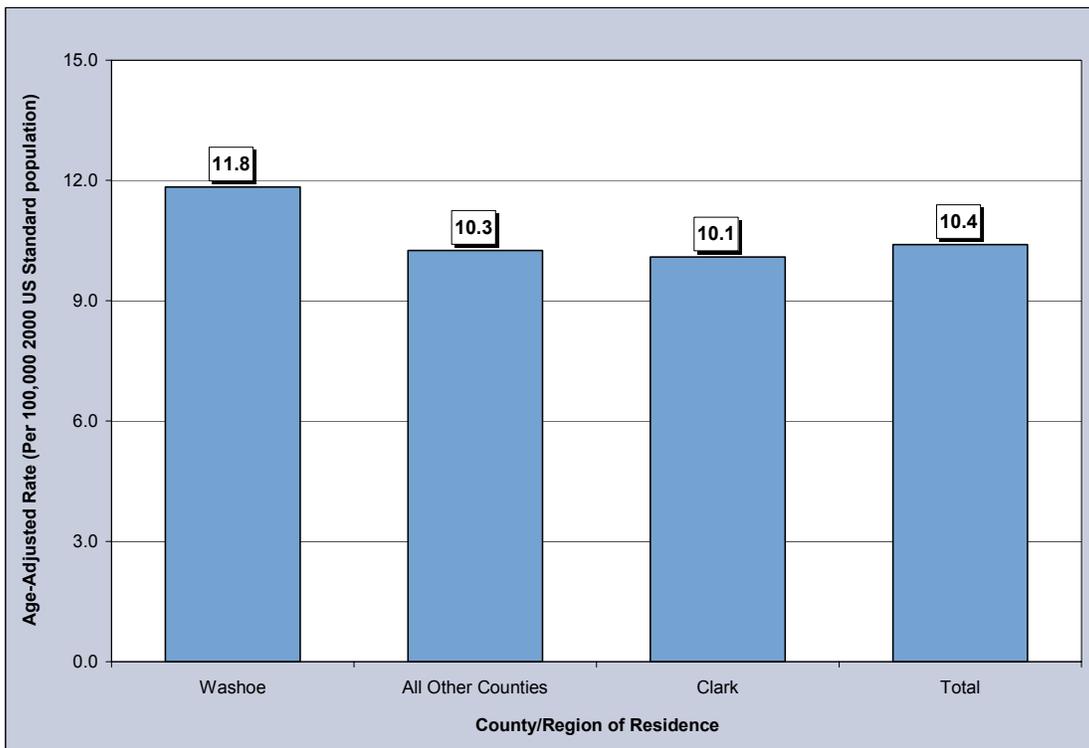


Figure 143. Lip, Oral Cavity and Pharynx Cancer Age-Adjusted Incidence Rates by Race/Ethnicity, Nevada Residents, 1996-2000

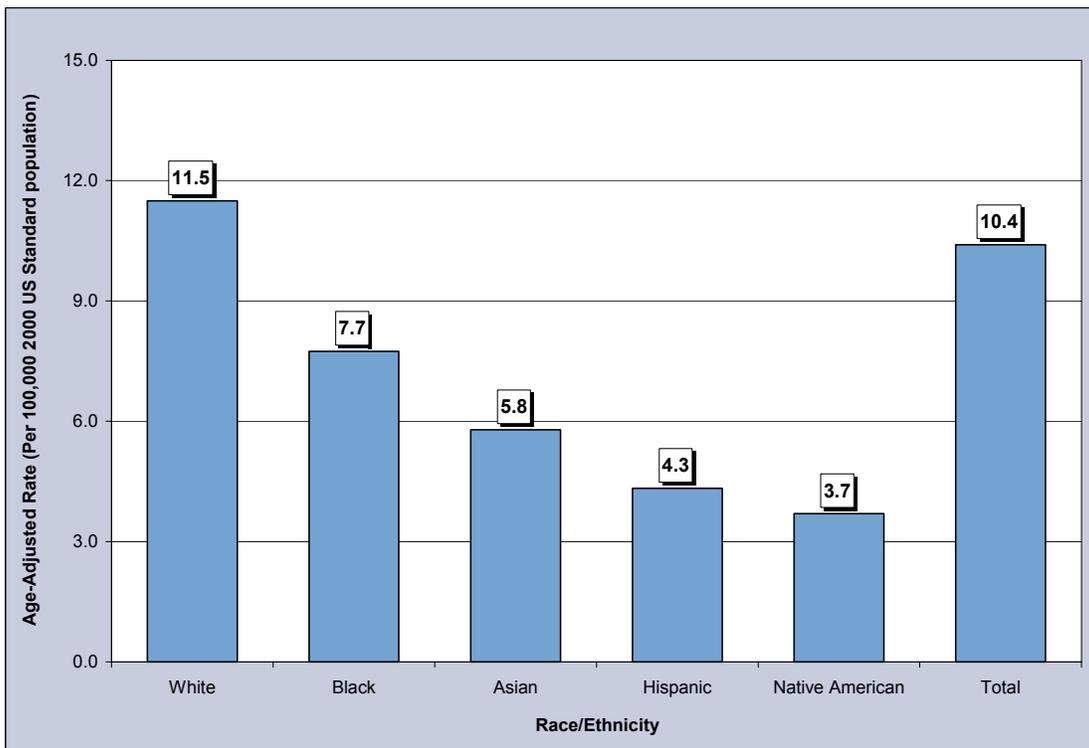


Table 213. Lip, Oral Cavity and Pharynx Cancer Cases by Gender, Race/Ethnicity and County/Region of Residence at Diagnosis, Nevada Residents (1996-2000) and SEER-11 (1995-1999)

Category	County/Region of Residence					SEER 11 (1995-1999)
	Nevada Total	Clark	Washoe	All Other Counties	Unknown	
Total						
Cases	921	593	180	147	1	18,648
Rate*	10.4	10.1	11.8	10.3	---	11.0
95% C.I.	(9.7-11.1)	(9.3-11.0)	(10.1-13.8)	(8.6-12.1)	---	(10.9-11.2)
Gender						
Male	625	393	125	107	0	12,431
Rate*	14.5	14.0	16.4	15.0	---	16.4
95% C.I.	(13.3-15.8)	(12.5-15.7)	(13.6-19.9)	(12.2-18.5)	---	(16.1-16.7)
Female	296	200	55	40	1	6,217
Rate*	6.6	6.7	7.2	5.6	---	6.7
95% C.I.	(5.9-7.4)	(5.8-7.7)	(5.4-9.4)	(4.0-7.7)	---	(6.5-6.8)
Other/Unknown	0	0	0	0	0	0
Race/Ethnicity						
White	829	522	162	144	1	14,911
Rate*	11.5	11.3	12.3	11.2	---	10.9
95% C.I.	(10.7-12.3)	(10.4-12.4)	(10.5-14.4)	(9.4-13.3)	---	(10.7-11.1)
Black	33	32	1	0	0	1,942
Rate*	7.7	8.2	---	---	---	12.8
95% C.I.	(5.2-11.6)	(5.4-12.5)	---	---	---	(12.3-13.4)
Native American	3	0	3	0	0	48
Rate*	---	---	---	---	---	4.0
95% C.I.	---	---	---	---	---	(2.9-2.9)
Asian	18	13	5	0	0	1,537
Rate*	5.8	6.0	---	---	---	9.2
95% C.I.	(2.7-12.8)	(2.3-15.2)	---	---	---	(8.7-9.7)
Hispanic	30	19	8	3	0	1,148
Rate*	4.3	3.7	---	---	---	6.3
95% C.I.	(2.7-7.1)	(2.0-7.1)	---	---	---	(5.9-6.7)
Other/Unknown	8	7	1	0	0	210

* Rates are per 100,000 population and are age-adjusted to the 2000 US Standard population.

Note: The "----" is used for rates calculated on numbers less than ten and SEER numbers less than five. Caution should be used when comparing rates for racial/ethnic groups to the National (SEER) rates. See Technical Notes for more information.

Table 214. Lip, Oral Cavity and Pharynx Cancer Cases by Age Group and County/Region of Residence at Diagnosis, Nevada Residents (1996-2000) and SEER-11 (1995-1999)

Category	County/Region of Residence					SEER 11 (1995-1999)
	Nevada Total	Clark	Washoe	All Other Counties	Unknown	
Total						
Cases	921	593	180	147	1	18,648
Rate*	9.9	9.4	11.0	10.7	---	10.1
95% C.I.	(9.3-10.5)	(8.7-10.2)	(9.4-12.6)	(9.0-12.5)	---	(9.9-10.2)
Age Group						
<1	0	0	0	0	0	---
Rate*	---	---	---	---	---	---
95% C.I.	---	---	---	---	---	---
1-4	0	0	0	0	0	8
Rate*	---	---	---	---	---	---
95% C.I.	---	---	---	---	---	---
5-14	3	3	0	0	0	50
Rate*	---	---	---	---	---	0.2
95% C.I.	---	---	---	---	---	(0.1-0.2)
15-24	5	2	2	1	0	148
Rate*	---	---	---	---	---	0.6
95% C.I.	---	---	---	---	---	(0.5-0.7)
25-34	16	7	3	6	0	494
Rate*	1.1	---	---	---	---	1.7
95% C.I.	(0.6-1.7)	---	---	---	---	(1.5-1.8)
35-44	63	42	12	9	0	1,503
Rate*	4.2	4.2	4.3	---	---	4.8
95% C.I.	(3.2-5.3)	(3.0-5.5)	(1.9-6.8)	---	---	(4.6-5.1)
45-54	175	104	39	32	0	3,388
Rate*	14.5	13.1	17.4	16.6	---	14.8
95% C.I.	(12.3-16.6)	(10.6-15.7)	(11.9-22.8)	(10.9-22.4)	---	(14.3-15.3)
55-64	271	179	53	39	0	4,100
Rate*	31.5	30.8	37.5	28.3	---	29.3
95% C.I.	(27.7-35.2)	(26.3-35.3)	(27.4-47.6)	(19.4-37.1)	---	(28.4-30.2)
65-74	252	167	44	40	1	4,785
Rate*	40.7	40.3	43.6	38.3	---	41.5
95% C.I.	(35.6-45.7)	(34.2-46.4)	(30.7-56.5)	(26.4-50.1)	---	(40.3-42.7)
75-84	108	72	21	15	0	3,177
Rate*	33.0	33.3	38.2	26.6	---	43.7
95% C.I.	(26.7-39.2)	(25.6-41.0)	(21.8-54.5)	(13.1-40.0)	---	(42.2-45.2)
85+	28	17	6	5	0	992
Rate*	39.7	39.7	---	---	---	40.0
95% C.I.	(25.0-54.5)	(20.8-58.5)	---	---	---	(37.5-42.5)
Unknown	0	0	0	0	0	0

* Rates are per 100,000 age-specific population.

Note: The "----" is used for rates calculated on numbers less than ten and SEER numbers less than five. See Technical Notes for more information.

Table 215. Lip, Oral Cavity and Pharynx Cancer Cases by County of Residence at Diagnosis, Nevada Residents, 1996-2000

County of Residence at Diagnosis	1996-2000 Incidence				
	Cases	Rate*		Age-Adjusted Rate**	
		Rate	95% C.I.	Rate	95% C.I.
Carson City	34	13.9	(9.2-18.5)	12.3	(8.5-17.4)
Churchill	20	17.0	(9.5-24.4)	17.8	(10.8-28.1)
Clark	593	9.4	(8.7-10.2)	10.1	(9.3-11.0)
Douglas	21	10.5	(6.0-15.0)	8.2	(5.1-13.5)
Elko	10	4.4	(1.7-7.1)	6.9	(2.9-14.9)
Esmeralda	0	---	---	---	---
Eureka	1	---	---	---	---
Humboldt	5	---	---	---	---
Lander	3	---	---	---	---
Lincoln	0	---	---	---	---
Lyon	23	14.2	(8.4-20.0)	12.1	(7.6-18.9)
Mineral	4	---	---	---	---
Nye	20	13.5	(7.6-19.4)	10.6	(6.2-18.2)
Pershing	2	---	---	---	---
Storey	0	---	---	---	---
Washoe	180	11.0	(9.4-12.6)	11.8	(10.1-13.8)
White Pine	4	---	---	---	---
Unknown	1	---	---	---	---
Total	921	9.9	(9.3-10.5)	10.4	(9.7-11.1)

Note: The “---“ is used for rates calculated on numbers less than ten. *Rates are per 100,000 population. **Rates are per 100,000 population and are age-adjusted to the 2000 US Standard population.

Table 216. Lip, Oral Cavity and Pharynx Cancer Cases by Race/Ethnicity and Gender, Nevada Residents, 1996-2000

Race/Ethnicity	Gender				
	Male	Female	Other/Unknown	Total	
White	Incidence	567	262	0	829
	Rate*	15.9	7.2	---	11.5
	95% C.I.	(14.6-17.4)	(6.3-8.1)	---	(10.7-12.3)
Black	Incidence	21	12	0	33
	Rate*	11.3	5.3	---	7.7
	95% C.I.	(6.2-21.2)	(2.7-10.1)	---	(5.2-11.6)
Native American	Incidence	2	1	0	3
	Rate*	---	---	---	---
	95% C.I.	---	---	---	---
Asian	Incidence	14	4	0	18
	Rate*	11.3	---	---	5.8
	95% C.I.	(4.7-27.2)	---	---	(2.7-12.8)
Hispanic	Incidence	16	14	0	30
	Rate*	5.1	3.7	---	4.3
	95% C.I.	(2.6-11.7)	(1.8-7.6)	---	(2.7-7.1)
Other/Unknown	Incidence	5	3	0	8
	Rate*	---	---	---	---
	95% C.I.	---	---	---	---
Total	Incidence	625	296	0	921
	Rate*	14.5	6.6	---	10.4
	95% C.I.	(13.3-15.8)	(5.9-7.4)	---	(9.7-11.1)

Note: The “---“ is used for rates calculated on numbers less than ten. *Rates are per 100,000 population and are age-adjusted to the 2000 US Standard population.

Table 217. Lip, Oral Cavity and Pharynx Cancer Cases by Age Group and Gender, Nevada Residents, 1996-2000

Age Group	Gender			
	Male	Female	Other/ Unknown	Total
<1	0	0	0	0
Rate*	---	---	---	---
95% C.I.	---	---	---	---
1-4	0	0	0	0
Rate*	---	---	---	---
95% C.I.	---	---	---	---
5-14	2	1	0	3
Rate*	---	---	---	---
95% C.I.	---	---	---	---
15-24	1	4	0	5
Rate*	---	---	---	---
95% C.I.	---	---	---	---
25-34	10	6	0	16
Rate*	1.3	---	---	1.1
95% C.I.	(0.5-2.2)	---	---	(0.6-1.7)
35-44	41	22	0	63
Rate*	5.3	3.0	---	4.2
95% C.I.	(3.7-6.9)	(1.8-4.3)	---	(3.2-5.3)
45-54	132	43	0	175
Rate*	21.6	7.2	---	14.5
95% C.I.	(17.9-25.2)	(5.1-9.4)	---	(12.3-16.6)
55-64	209	62	0	271
Rate*	48.7	14.3	---	31.5
95% C.I.	(42.1-55.4)	(10.8-17.9)	---	(27.7-35.2)
65-74	155	97	0	252
Rate*	50.7	30.9	---	40.7
95% C.I.	(42.7-58.7)	(24.7-37.0)	---	(35.6-45.7)
75-84	59	49	0	108
Rate*	40.0	27.2	---	33.0
95% C.I.	(29.8-50.2)	(19.6-34.8)	---	(26.7-39.2)
85+	16	12	0	28
Rate*	70.6	25.1	---	39.7
95% C.I.	(36.0-105.1)	(10.9-39.3)	---	(25.0-54.5)
Unknown	0	0	0	0
Total	625	296	0	921
Rate*	13.2	6.5	---	9.9
95% C.I.	(12.2-14.2)	(5.7-7.2)	---	(9.3-10.5)

* Rates are per 100,000 age-specific population.

Note: The "----" is used for rates calculated on numbers less than ten.

Table 218. Lip, Oral Cavity and Pharynx Cancer Cases by Age Group and Stage, Nevada Residents, 1996-2000

Age Group		Stage					Total
		In situ	Localized	Regional	Distant	Unstaged	
<1	Number	0	0	0	0	0	0
	Percent	---	---	---	---	---	---
1-4	Number	0	0	0	0	0	0
	Percent	---	---	---	---	---	---
5-14	Number	0	1	1	0	1	3
	Percent	---	33.3%	33.3%	---	33.3%	100.0%
15-24	Number	0	2	2	1	0	5
	Percent	---	40.0%	40.0%	20.0%	---	100.0%
25-34	Number	0	7	4	3	2	16
	Percent	---	43.8%	25.0%	18.8%	12.5%	100.0%
35-44	Number	0	26	25	4	8	63
	Percent	---	41.3%	39.7%	6.3%	12.7%	100.0%
45-54	Number	0	46	78	16	35	175
	Percent	---	26.3%	44.6%	9.1%	20.0%	100.0%
55-64	Number	0	74	107	35	55	271
	Percent	---	27.3%	39.5%	12.9%	20.3%	100.0%
65-74	Number	0	97	90	15	50	252
	Percent	---	38.5%	35.7%	6.0%	19.8%	100.0%
75-84	Number	0	36	30	12	30	108
	Percent	---	33.3%	27.8%	11.1%	27.8%	100.0%
85+	Number	0	7	9	2	10	28
	Percent	---	25.0%	32.1%	7.1%	35.7%	100.0%
Unknown	Number	0	0	0	0	0	0
	Percent	---	---	---	---	---	---
Total	Number	0	296	346	88	191	921
	Percent	---	32.1%	37.6%	9.6%	20.7%	100.0%

Table 219. Lip, Oral Cavity and Pharynx Cancer Cases by Stage and Race/Ethnicity, Nevada Residents, 1996-2000

Stage		Race/Ethnicity						Total
		White	Black	Native American	Asian	Hispanic	Other/Unknown	
In situ	Number	0	0	0	0	0	0	0
	Percent	---	---	---	---	---	---	---
Localized	Number	270	5	1	3	13	4	296
	Percent	32.6%	15.2%	33.3%	16.7%	43.3%	50.0%	32.1%
Regional	Number	311	15	1	8	10	1	346
	Percent	37.5%	45.5%	33.3%	44.4%	33.3%	12.5%	37.6%
Distant	Number	76	4	1	4	3	0	88
	Percent	9.2%	12.1%	33.3%	22.2%	10.0%	---	9.6%
Unstaged	Number	172	9	0	3	4	3	191
	Percent	20.7%	27.3%	---	16.7%	13.3%	37.5%	20.7%
Total	Number	829	33	3	18	30	8	921
	Percent	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%

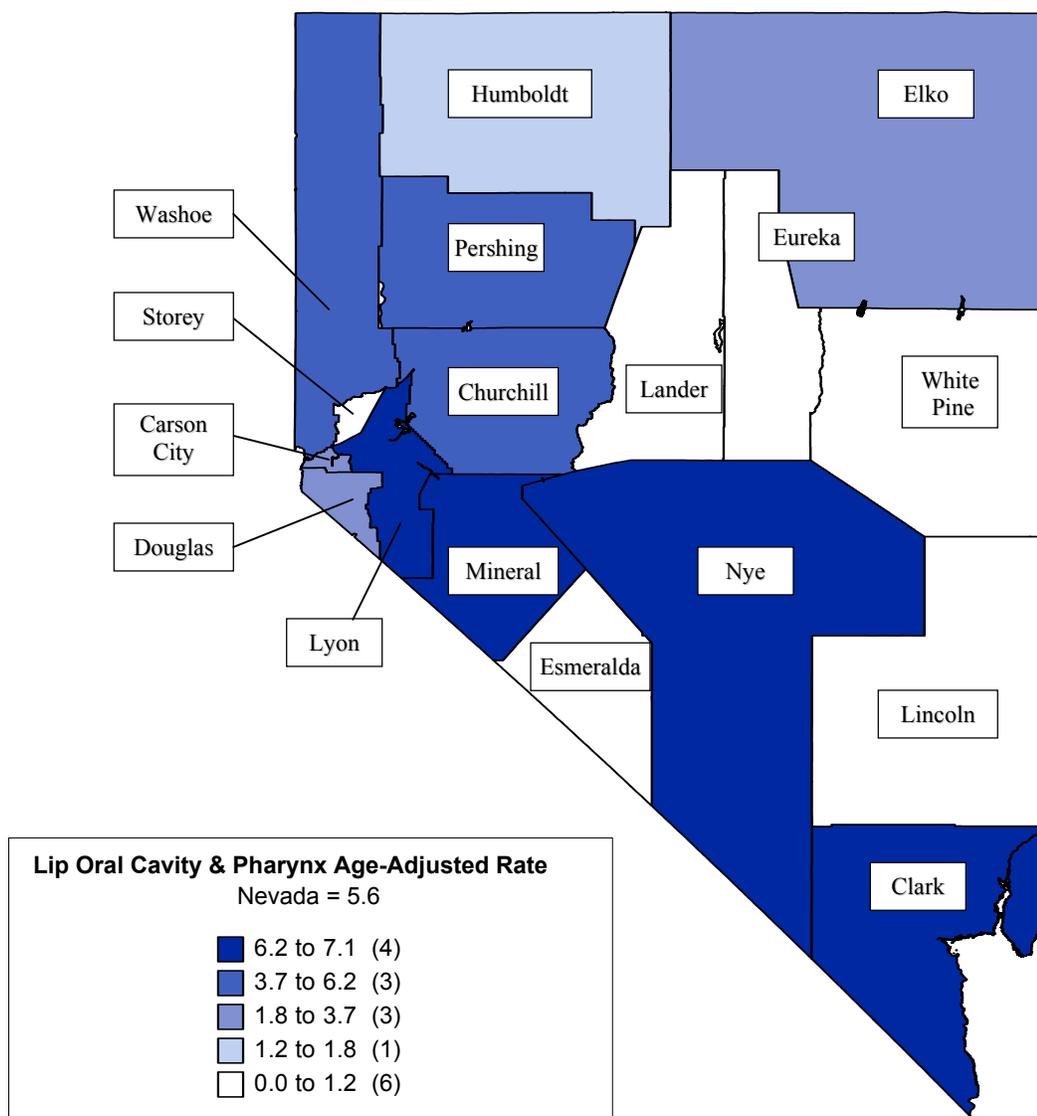
Table 220. Median Age at Diagnosis of Lip, Oral Cavity and Pharynx Cancer by Race/Ethnicity and Gender, Nevada Residents, 1996-2000

Race/Ethnicity	Gender					
	Male		Female		Total	
	Incidence	Median Age	Incidence	Median Age	Incidence	Median Age
White	567	61.0	262	66.0	829	62.0
Black	21	57.0	12	63.5	33	58.0
Native American	2	---	1	---	3	---
Asian	14	59.0	4	---	18	54.5
Hispanic	16	60.5	14	49.5	30	59.0
Other/Unknown	5	62.0	3	---	8	61.5
Total	625	60.0	296	65.5	921	62.0

Note: Those cases of other/unknown gender and/or unknown ages are not included in this table. The median age was not calculated for those numbers less than five.

INPATIENT HOSPITAL DISCHARGES

Figure 144. Lip, Oral Cavity and Pharynx Cancer Age-Adjusted (2000) Inpatient Discharge Rates, Nevada Residents, 1996-2000



Note: Rates are per 100,000 population and age-adjusted to 2000 US Standard population. Caution should be used when interpreting rates based upon small numbers and comparing inpatient hospital discharge rates to other data sources, because it is occurrence based data. See Technical notes for more information.

Figure 145. Lip, Oral Cavity and Pharynx Cancer Age-Adjusted Inpatient Discharge Rates by County/Region of Residence, Nevada Residents, 1996-2000

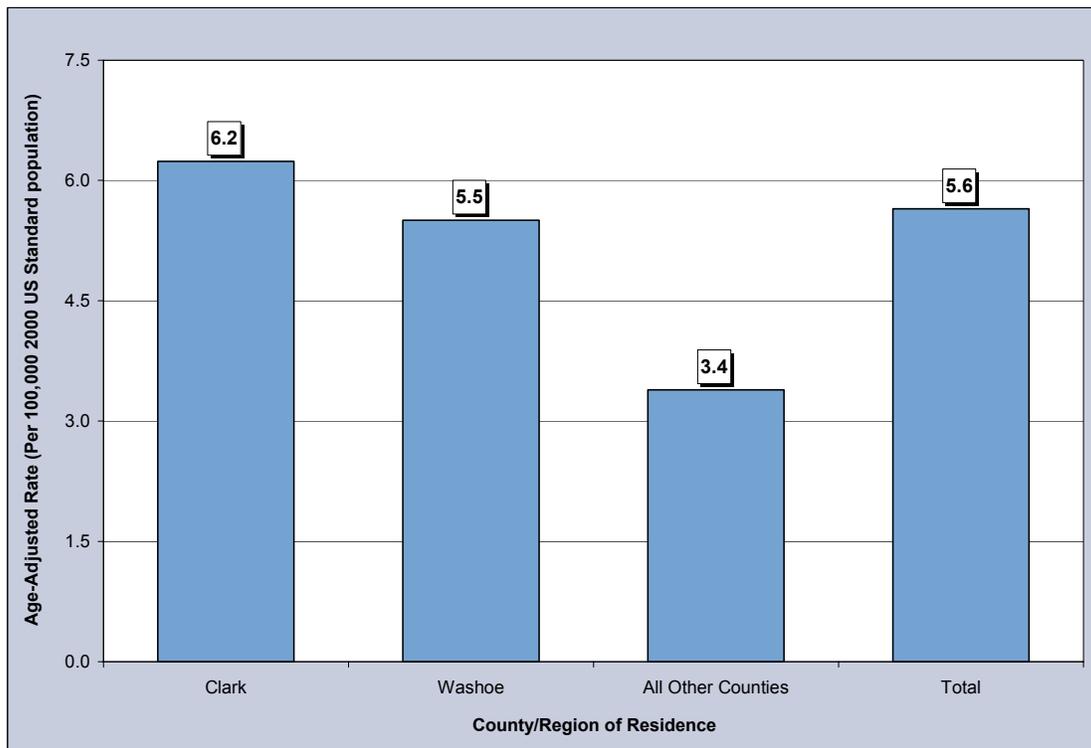


Figure 146. Median Charges for Lip, Oral Cavity and Pharynx Cancer Inpatient Discharges by County/Region of Residence, Nevada Residents, 1996-2000

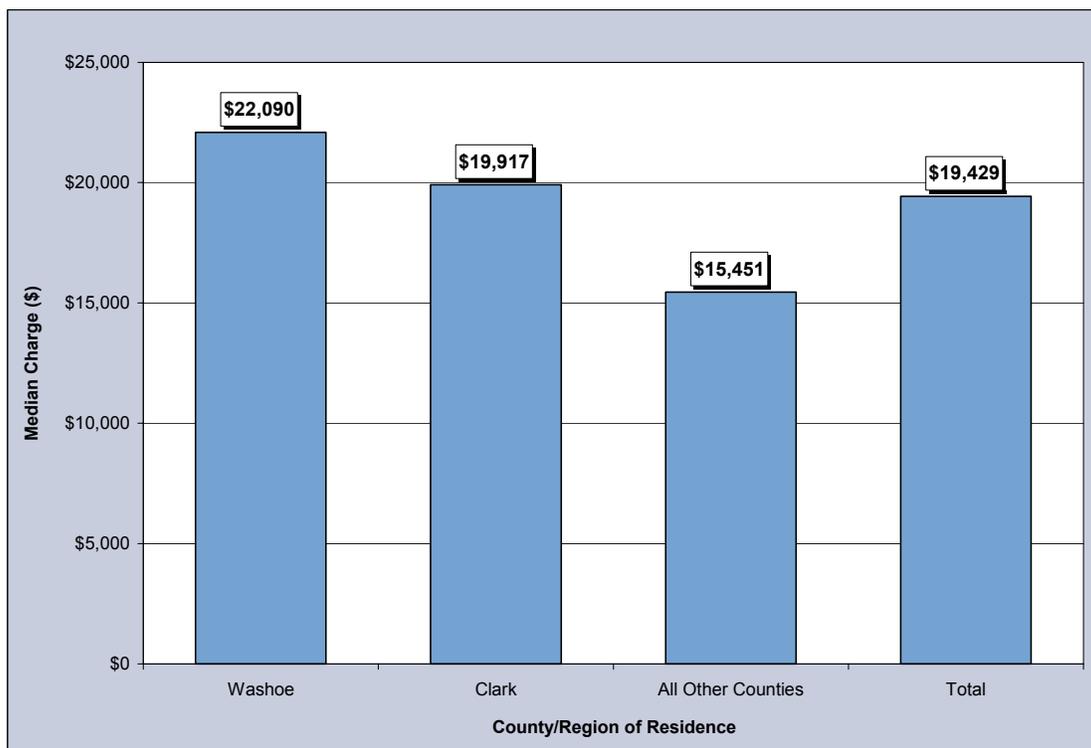


Figure 147. Average Length of Stay for Lip, Oral Cavity and Pharynx Cancer Inpatient Discharges by County/Region of Residence, Nevada Residents, 1996-2000

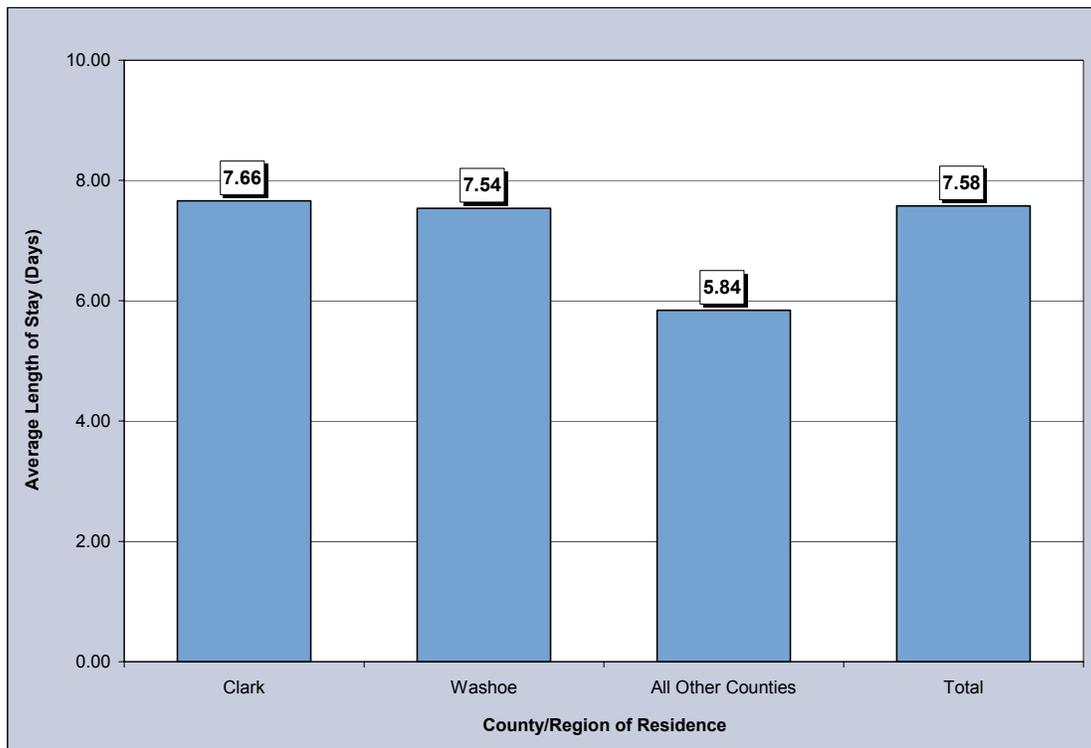


Table 221. Lip, Oral Cavity and Pharynx Cancer Inpatient Discharges by Gender, Charges, Length of Stay, and County/Region of Residence, Nevada Residents, 1996-2000

Category	County/Region of Residence				
	Nevada Total	Clark	Washoe	All Other Counties	Unknown
Total					
Discharges	505	370	84	50	1
Rate*	5.6	6.2	5.5	3.4	---
95% C.I.	(5.2-6.2)	(5.6-6.9)	(4.4-6.9)	(2.5-4.6)	---
Gender					
Male	332	241	55	35	1
Rate*	7.6	8.4	7.1	5.0	---
95% C.I.	(6.8-8.6)	(7.3-9.7)	(5.3-9.6)	(3.4-7.3)	---
Female	173	129	29	15	0
Rate*	3.8	4.3	3.8	2.0	---
95% C.I.	(3.3-4.4)	(3.6-5.1)	(2.5-5.5)	(1.1-3.4)	---
Other/Unknown	0	0	0	0	0
Inpatient Discharge Charges (\$)					
Total Charges	\$17,063,904	\$12,358,596	\$2,692,616	\$1,446,305	\$566,387
Average Charges	\$33,790	\$33,402	\$32,055	\$28,926	\$566,387
Median Charges	\$19,429	\$19,917	\$22,090	\$15,451	\$566,387
Discharge Length of Stay (LOS) (Days)					
Total LOS	3,826	2,835	633	292	66
Average LOS	7.6	7.7	7.5	5.8	66.0
Median LOS	4.0	4.0	5.0	3.5	66.0

* Rates are per 100,000 population and are age-adjusted to the 2000 US Standard population.

Note: The "----" is used for rates calculated on numbers less than ten. Caution should be used when comparing inpatient hospital discharge data to other data sources, since it is occurrence-based data. Please see Technical Notes for more information.

Table 222. Lip, Oral Cavity and Pharynx Cancer Inpatient Discharges by Age Group and County/Region of Residence, Nevada Residents, 1996-2000

Category	County/Region of Residence				
	Nevada Total	Clark	Washoe	All Other Counties	Unknown
Total					
Discharges	505	370	84	50	1
Rate*	5.4	5.9	5.1	3.6	---
95% C.I.	(5.0-5.9)	(5.3-6.5)	(4.0-6.2)	(2.6-4.7)	---
Age Group					
<1	0	0	0	0	0
Rate*	---	---	---	---	---
95% C.I.	---	---	---	---	---
1-4	0	0	0	0	0
Rate*	---	---	---	---	---
95% C.I.	---	---	---	---	---
5-14	1	1	0	0	0
Rate*	---	---	---	---	---
95% C.I.	---	---	---	---	---
15-24	0	0	0	0	0
Rate*	---	---	---	---	---
95% C.I.	---	---	---	---	---
25-34	3	3	0	0	0
Rate*	---	---	---	---	---
95% C.I.	---	---	---	---	---
35-44	29	23	4	2	0
Rate*	1.9	2.3	---	---	---
95% C.I.	(1.2-2.6)	(1.4-3.3)	---	---	---
45-54	98	71	19	8	0
Rate*	8.1	9.0	8.5	---	---
95% C.I.	(6.5-9.7)	(6.9-11.0)	(4.7-12.3)	---	---
55-64	154	113	22	18	1
Rate*	17.9	19.4	15.6	12.7	---
95% C.I.	(15.1-20.7)	(15.9-23.0)	(9.1-22.1)	(6.8-18.6)	---
65-74	156	112	27	17	0
Rate*	25.2	27.0	26.8	16.9	---
95% C.I.	(21.2-29.1)	(22.0-32.0)	(16.7-36.9)	(8.8-24.9)	---
75-84	52	38	11	3	0
Rate*	15.9	17.6	20.0	---	---
95% C.I.	(11.6-20.2)	(12.0-23.2)	(8.2-31.8)	---	---
85+	12	9	1	2	0
Rate*	17.0	---	---	---	---
95% C.I.	(7.4-26.7)	---	---	---	---
Unknown	0	0	0	0	0

* Rates are per 100,000 age-specific population.

Note: The "----" is used for rates calculated on numbers less than ten. Caution should be used when comparing inpatient hospital discharge data to other data sources, since it is occurrence-based data. Please see Technical Notes for more information.

Table 223. Lip, Oral Cavity and Pharynx Cancer Inpatient Discharges by Age Group and Gender, Nevada Residents, 1996-2000

Age Group	Gender		
	Male	Female	Total
<1	0	0	0
Rate*	---	---	---
95% C.I.	---	---	---
1-4	0	0	0
Rate*	---	---	---
95% C.I.	---	---	---
5-14	1	0	1
Rate*	---	---	---
95% C.I.	---	---	---
15-24	0	0	0
Rate*	---	---	---
95% C.I.	---	---	---
25-34	0	3	3
Rate*	---	---	---
95% C.I.	---	---	---
35-44	21	8	29
Rate*	2.7	---	1.9
95% C.I.	(1.6-3.9)	---	(1.2-2.6)
45-54	77	21	98
Rate*	12.6	3.5	8.1
95% C.I.	(9.8-15.4)	(2.0-5.0)	(6.5-9.7)
55-64	117	37	154
Rate*	27.3	8.6	17.9
95% C.I.	(22.3-32.2)	(5.8-11.3)	(15.1-20.7)
65-74	86	70	156
Rate*	28.1	22.3	25.2
95% C.I.	(22.2-34.1)	(17.1-27.5)	(21.2-29.1)
75-84	22	30	52
Rate*	14.9	16.6	15.9
95% C.I.	(8.7-21.2)	(10.7-22.6)	(11.6-20.2)
85+	8	4	12
Rate*	---	---	17.0
95% C.I.	---	---	(7.4-26.7)
Unknown	0	0	0
Total	332	173	505
Rate*	7.0	3.8	5.4
95% C.I.	(6.3-7.8)	(3.2-4.3)	(5.0-5.9)

* Rates are per 100,000 age-specific population.

Note: The "—" is used for rates calculated on numbers less than ten. Caution should be used when comparing inpatient hospital discharge data to other data sources, since it is occurrence-based data. Please see Technical Notes for more information.

Table 224. Lip, Oral Cavity and Pharynx Cancer Inpatient Discharges by County/Region of Residence, Nevada Residents, 1996-2000

County of Residence	1996-2000 Inpatient Hospital Discharges				
	Number	Rate*		Age-Adjusted Rate**	
		Rate	95% C.I.	Rate	95% C.I.
Carson City	8	---	---	---	---
Churchill	4	---	---	---	---
Clark	370	5.9	(5.3-6.5)	6.2	(5.6-6.9)
Douglas	5	---	---	---	---
Elko	3	---	---	---	---
Esmeralda	0	---	---	---	---
Eureka	0	---	---	---	---
Humboldt	1	---	---	---	---
Lander	0	---	---	---	---
Lincoln	0	---	---	---	---
Lyon	13	8.0	(3.7-12.4)	6.5	(3.4-11.9)
Mineral	2	---	---	---	---
Nye	13	8.8	(4.0-13.5)	7.1	(3.5-14.0)
Pershing	1	---	---	---	---
Storey	0	---	---	---	---
Washoe	84	5.1	(4.0-6.2)	5.5	(4.4-6.9)
White Pine	0	---	---	---	---
Unknown	1	---	---	---	---
Total	505	5.4	(5.0-5.9)	5.6	(5.2-6.2)

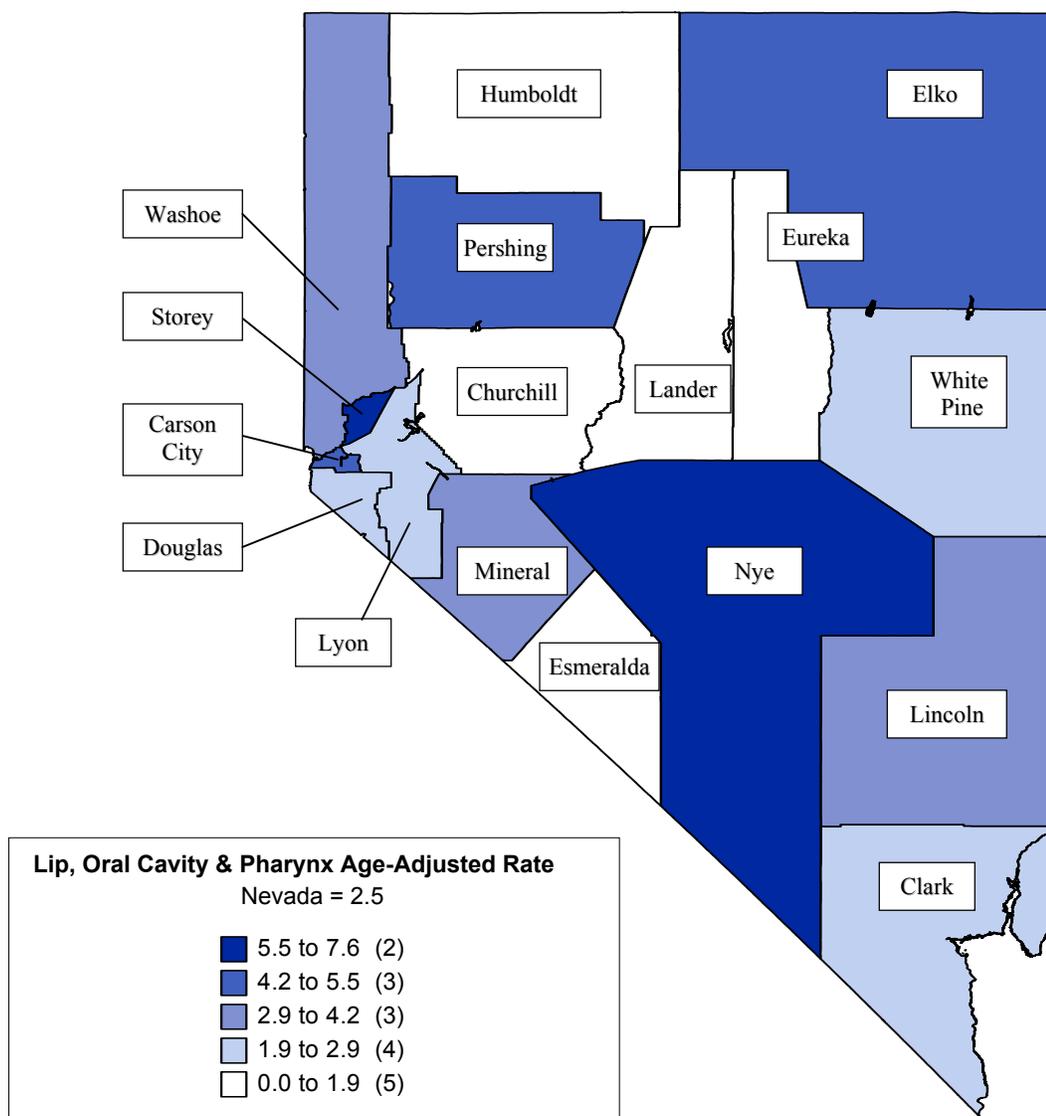
Note: The “---“ is used for rates calculated on numbers less than ten. *Rates are per 100,000 population. **Rates are per 100,000 population and are age-adjusted to the 2000 US Standard population.

Table 225. Lip, Oral Cavity and Pharynx Cancer Inpatient Discharges by Age Group, Charges and Length of Stay, Nevada Residents, 1996-2000

Age Group	Discharges	Charges (\$)			Length of Stay (Days)		
		Total	Average	Median	Total	Average	Median
<1	0	---	---	---	---	---	---
1-4	0	---	---	---	---	---	---
5-14	1	---	---	---	---	---	---
15-24	0	---	---	---	---	---	---
25-34	3	---	---	---	---	---	---
35-44	29	712,962	24,585	16,824	132	4.6	3.0
45-54	98	3,147,401	32,116	21,083	710	7.2	4.5
55-64	154	6,393,399	41,516	21,721	1,570	10.2	5.0
65-74	156	4,865,737	31,191	19,028	993	6.4	4.0
75-84	52	1,399,378	26,911	16,386	304	5.8	3.0
85+	12	322,482	26,874	21,204	69	5.8	4.5
Unknown	0	---	---	---	---	---	---
Total	505	17,063,904	33,790	19,429	3,826	7.6	4.0

MORTALITY

Figure 148. Lip, Oral Cavity and Pharynx Cancer Age-Adjusted (2000) Mortality Rates, Nevada Residents, 1996-2000



Note: Rates are per 100,000 population and age-adjusted to 2000 US Standard population. Caution should be used when interpreting rates based upon small numbers. See Technical notes for more information.

Figure 149. Lip, Oral Cavity and Pharynx Cancer Age-Adjusted Mortality Rates by County/Region of Residence, Nevada Residents, 1996-2000

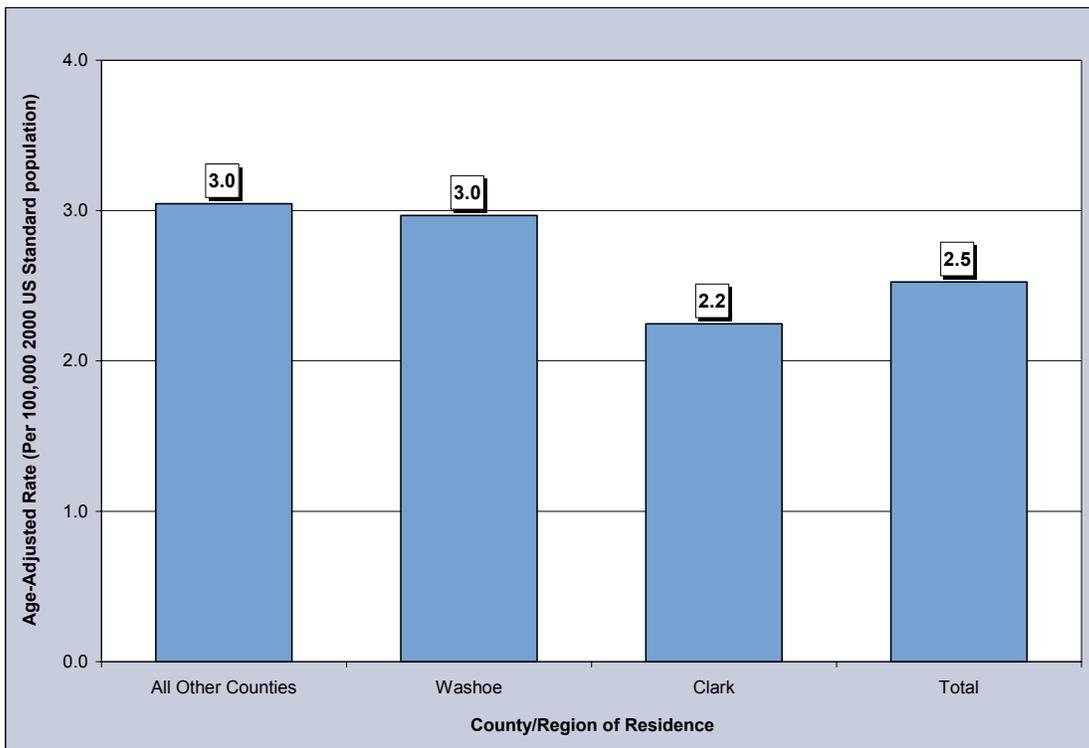


Figure 150. Lip, Oral Cavity and Pharynx Cancer Age-Adjusted Mortality Rates by Race/Ethnicity, Nevada Residents, 1996-2000

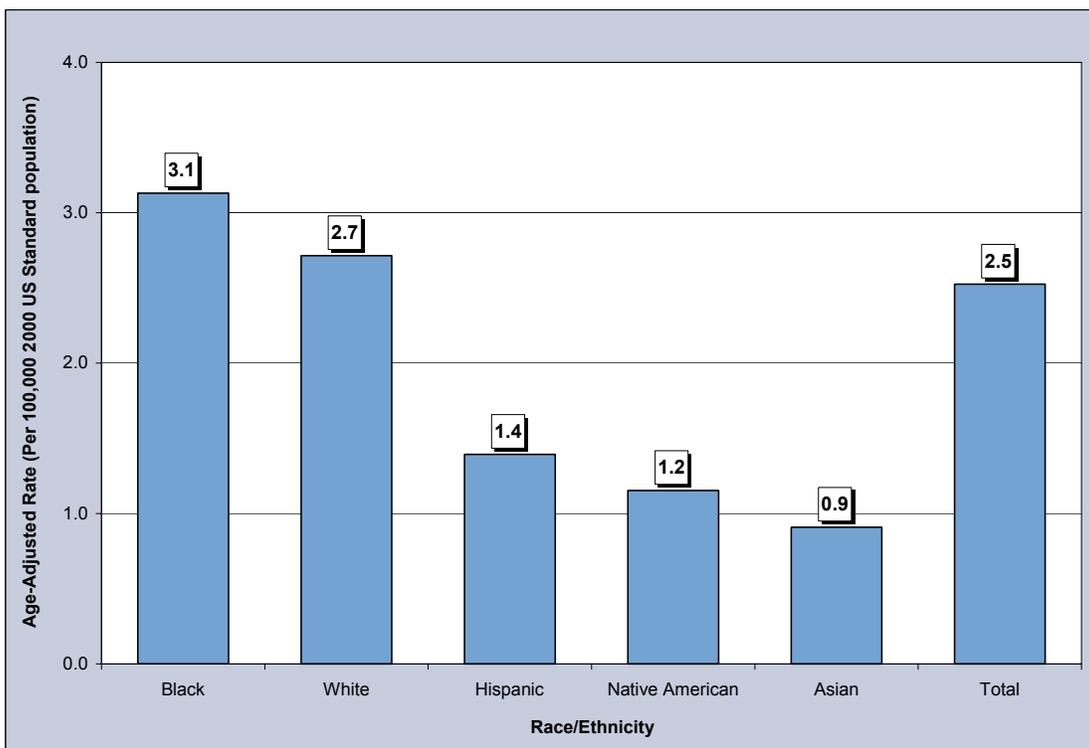


Table 226. Lip, Oral Cavity and Pharynx Cancer Mortality by Gender, Race/Ethnicity and County/Region of Residence, Nevada Residents, 1996-2000

Category	County/Region of Residence			
	Nevada Total	Clark	Washoe	All Other Counties
Total				
Mortality	213	128	42	43
Rate*	2.5	2.2	3.0	3.0
95% C.I.	(2.2-2.9)	(1.9-2.7)	(2.1-4.1)	(2.2-4.2)
Gender				
Male	137	80	23	34
Rate*	3.2	2.9	3.0	4.8
95% C.I.	(2.7-3.9)	(2.2-3.7)	(1.9-5.0)	(3.3-7.0)
Female	76	48	19	9
Rate*	1.8	1.7	2.6	---
95% C.I.	(1.4-2.3)	(1.2-2.2)	(1.6-4.1)	---
Other/Unknown	0	0	0	0
Race/Ethnicity				
White	191	110	39	42
Rate*	2.7	2.4	3.1	3.2
95% C.I.	(2.3-3.1)	(2.0-2.9)	(2.2-4.4)	(2.3-4.5)
Black	12	11	1	0
Rate*	3.1	3.1	---	---
95% C.I.	(1.6-6.2)	(1.5-6.5)	---	---
Native American	1	0	1	0
Rate*	---	---	---	---
95% C.I.	---	---	---	---
Asian	3	2	1	0
Rate*	---	---	---	---
95% C.I.	---	---	---	---
Hispanic	6	5	0	1
Rate*	---	---	---	---
95% C.I.	---	---	---	---
Other/Unknown	0	0	0	0

*Rates are per 100,000 population and are age-adjusted to the 2000 US Standard population.

Note: The “---” is used for rates calculated on numbers less than ten.

Table 227. Lip, Oral Cavity and Pharynx Cancer Mortality by Age Group and County/Region of Residence, Nevada Residents, 1996-2000

Category	County/Region of Residence			
	Nevada Total	Clark	Washoe	All Other Counties
Total				
Mortality	213	128	42	43
Rate*	2.3	2.0	2.6	3.1
95% C.I.	(2.0-2.6)	(1.7-2.4)	(1.8-3.3)	(2.2-4.1)
Age Group				
<1	0	0	0	0
Rate*	---	---	---	---
95% C.I.	---	---	---	---
1-4	0	0	0	0
Rate*	---	---	---	---
95% C.I.	---	---	---	---
5-14	0	0	0	0
Rate*	---	---	---	---
95% C.I.	---	---	---	---
15-24	1	1	0	0
Rate*	---	---	---	---
95% C.I.	---	---	---	---
25-34	1	1	0	0
Rate*	---	---	---	---
95% C.I.	---	---	---	---
35-44	6	4	1	1
Rate*	---	---	---	---
95% C.I.	---	---	---	---
45-54	28	13	9	6
Rate*	2.3	1.6	---	---
95% C.I.	(1.5-3.2)	(0.7-2.5)	---	---
55-64	51	32	9	10
Rate*	5.9	5.5	---	7.2
95% C.I.	(4.3-7.6)	(3.6-7.4)	---	(2.8-11.7)
65-74	68	40	12	16
Rate*	11.0	9.6	11.9	15.3
95% C.I.	(8.4-13.6)	(6.7-12.6)	(5.2-18.6)	(7.8-22.8)
75-84	47	34	6	7
Rate*	14.3	15.7	---	---
95% C.I.	(10.2-18.4)	(10.4-21.0)	---	---
85+	11	3	5	3
Rate*	15.6	---	---	---
95% C.I.	(6.4-24.8)	---	---	---
Unknown	0	0	0	0

* Rates are per 100,000 age-specific population.
 Note: The “---” is used for rates calculated on numbers less than ten.

Table 228. Lip, Oral Cavity and Pharynx Cancer Mortality by County of Residence, Nevada Residents, 1996-2000

County of Residence	1996-2000 Mortality				
	Cases	Rate*		Age-Adjusted Rate**	
		Rate	95% C.I.	Rate	95% C.I.
Carson City	12	4.9	(2.1-7.7)	4.4	(2.2-7.9)
Churchill	1	---	---	---	---
Clark	128	2.0	(1.7-2.4)	2.2	(1.9-2.7)
Douglas	6	---	---	---	---
Elko	4	---	---	---	---
Esmeralda	0	---	---	---	---
Eureka	0	---	---	---	---
Humboldt	0	---	---	---	---
Lander	0	---	---	---	---
Lincoln	1	---	---	---	---
Lyon	4	---	---	---	---
Mineral	1	---	---	---	---
Nye	10	6.7	(2.6-10.9)	5.6	(2.4-12.2)
Pershing	1	---	---	---	---
Storey	2	---	---	---	---
Washoe	42	2.6	(1.8-3.3)	3.0	(2.1-4.1)
White Pine	1	---	---	---	---
Unknown	0	---	---	---	---
Total	213	2.3	(2.0-2.6)	2.5	(2.2-2.9)

Note: The “---“ is used for rates calculated on numbers less than ten. *Rates are per 100,000 population. **Rates are per 100,000 population and are age-adjusted to the 2000 US Standard population.

Table 229. Lip, Oral Cavity and Pharynx Cancer Mortality by Race/Ethnicity and Gender, Nevada Residents, 1996-2000

Race/Ethnicity	Gender			
	Male	Female	Total	
White	Mortality	126	65	191
	Rate*	3.5	1.9	2.7
	95% C.I.	(2.9-4.3)	(1.4-2.4)	(2.3-3.1)
Black	Mortality	6	6	12
	Rate*	---	---	3.1
	95% C.I.	---	---	(1.6-6.2)
Native American	Mortality	0	1	1
	Rate*	---	---	---
	95% C.I.	---	---	---
Asian	Mortality	2	1	3
	Rate*	---	---	---
	95% C.I.	---	---	---
Hispanic	Mortality	3	3	6
	Rate*	---	---	---
	95% C.I.	---	---	---
Other/Unknown	Mortality	0	0	0
	Rate*	---	---	---
	95% C.I.	---	---	---
Total	Mortality	137	76	213
	Rate*	3.2	1.8	2.5
	95% C.I.	(2.7-3.9)	(1.4-2.3)	(2.2-2.9)

Note: The “---“ is used for rates calculated on numbers less than ten. *Rates are per 100,000 population and are age-adjusted to the 2000 US Standard population.

Table 230. Lip, Oral Cavity and Pharynx Cancer Mortality by Age Group and Gender, Nevada Residents, 1996-2000

Age Group	Gender		
	Male	Female	Total
<1	0	0	0
Rate*	---	---	---
95% C.I.	---	---	---
1-4	0	0	0
Rate*	---	---	---
95% C.I.	---	---	---
5-14	0	0	0
Rate*	---	---	---
95% C.I.	---	---	---
15-24	0	1	1
Rate*	---	---	---
95% C.I.	---	---	---
25-34	0	1	1
Rate*	---	---	---
95% C.I.	---	---	---
35-44	2	4	6
Rate*	---	---	---
95% C.I.	---	---	---
45-54	20	8	28
Rate*	3.3	---	2.3
95% C.I.	(1.8-4.7)	---	(1.5-3.2)
55-64	40	11	51
Rate*	9.3	2.5	5.9
95% C.I.	(6.4-12.2)	(1.0-4.1)	(4.3-7.6)
65-74	48	20	68
Rate*	15.7	6.4	11.0
95% C.I.	(11.3-20.1)	(3.6-9.2)	(8.4-13.6)
75-84	25	22	47
Rate*	17.0	12.2	14.3
95% C.I.	(10.3-23.6)	(7.1-17.3)	(10.2-18.4)
85+	2	9	11
Rate*	---	---	15.6
95% C.I.	---	---	(6.4-24.8)
Unknown	0	0	0
Total	137	76	213
Rate*	2.9	1.7	2.3
95% C.I.	(2.4-3.4)	(1.3-2.0)	(2.0-2.6)

* Rates are per 100,000 age-specific population.

Note: The "—" is used for rates calculated on numbers less than ten.

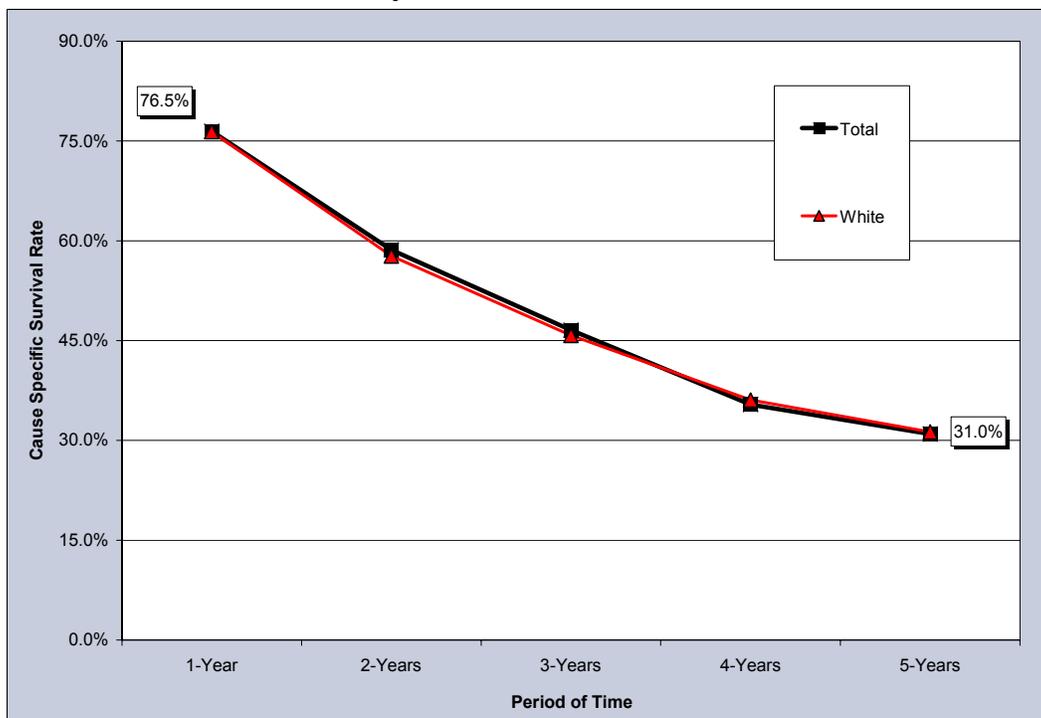
Table 231. Median Age at Death from Lip, Oral Cavity and Pharynx Cancer by Race/Ethnicity and Gender, Nevada Residents, 1996-2000

Race/Ethnicity	Gender					
	Male		Female		Total	
	Deaths	Median Age	Deaths	Median Age	Deaths	Median Age
White	126	66.0	65	72.0	191	67.0
Black	6	57.0	6	69.0	12	66.0
Native American	0	---	1	---	1	---
Asian	2	---	1	---	3	---
Hispanic	3	---	3	---	6	73.5
Other/Unknown	0	---	0	---	0	---
Total	137	65.0	76	72.0	213	67.0

Note: Those cases of other/unknown gender and/or unknown ages are not included in this table. The median age was not calculated for those numbers less than five.

SURVIVAL RATE

Figure 151. Survival Rates for Lip, Oral Cavity and Pharynx Cancer by Race/Ethnicity, Nevada Residents, 1996-2000



Notes: The survival rate for those racial/ethnic groups not included in this chart could not be calculated due to small cell size.

Figure 152. Survival Rates for Lip, Oral Cavity and Pharynx Cancer by Stage of Cancer at Diagnosis, Nevada Residents, 1996-2000

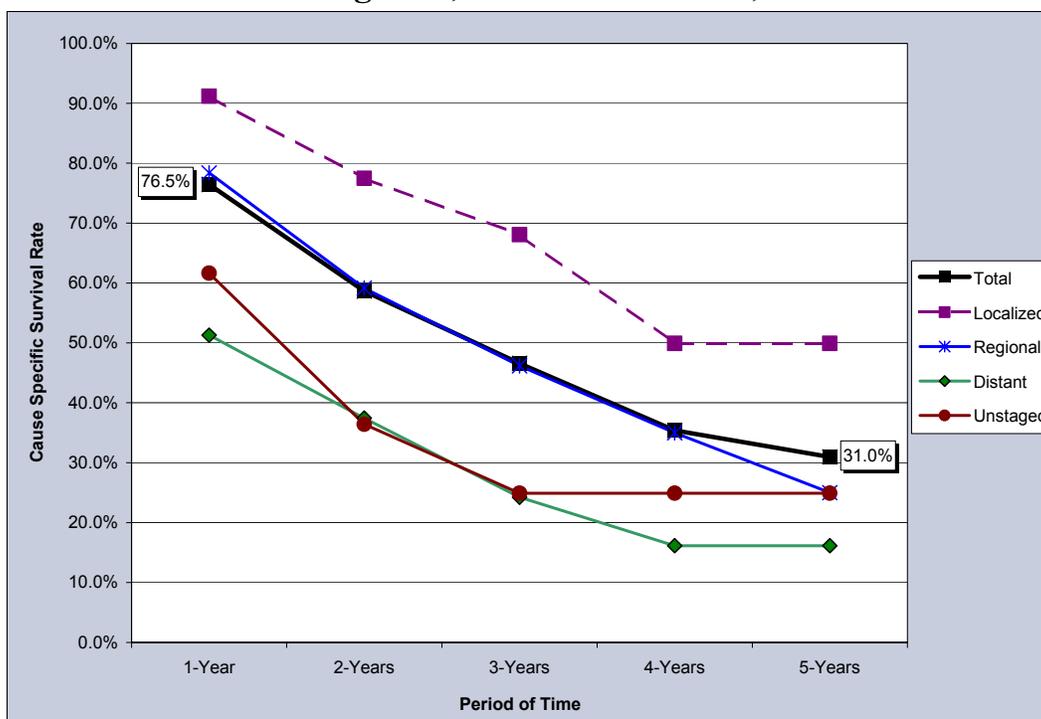


Table 232. Cause-Specific Survival Rates for Lip, Oral Cavity and Pharynx Cancer by Race/Ethnicity and Gender, Nevada Residents, 1996-2000

Race/ Ethnicity and Gender	Number of Cases	Cause Specific Survival Rate					Median Survival Time (years)
		One Year	Two Years	Three Years	Four Years	Five Years	
Total	597	76.5%	58.6%	46.6%	35.4%	31.0%	2.72
Male	413	76.1%	57.8%	45.6%	33.6%	33.6%	2.64
Female	184	77.2%	60.4%	48.8%	39.9%	28.5%	2.89
Race/Ethnicity							
White	532	76.4%	57.7%	45.8%	36.1%	31.3%	2.65
Male	372	75.4%	56.8%	45.4%	34.0%	34.0%	2.60
Female	160	78.6%	59.7%	46.7%	41.5%	29.6%	2.74
Black	23	---	---	---	---	---	---
Male	16	---	---	---	---	---	---
Female	7	---	---	---	---	---	---
Native American	1	---	---	---	---	---	---
Male	0	---	---	---	---	---	---
Female	1	---	---	---	---	---	---
Asian	11	---	---	---	---	---	---
Male	8	---	---	---	---	---	---
Female	3	---	---	---	---	---	---
Hispanic	22	---	---	---	---	---	---
Male	12	---	---	---	---	---	---
Female	10	---	---	---	---	---	---

Notes: 1) The “---” indicates that survival rate could not be calculated due to small cell size. Caution should be used when interpreting survival rates based upon categories with a small number of cases. 2) Those cases where the gender and/or race/ethnicity were other/unknown, are not shown separately, but are included in the category totals. 3) These rates may not be directly comparable to National rates because of different methodologies. Caution should be used when trying to compare rates for Nevada and the Nation. For more information on the calculation of survival rates, please refer to Technical Notes section.

Table 233. Cause-Specific Survival Rates for Lip, Oral Cavity and Pharynx Cancer by Stage of Cancer at Diagnosis and Gender, Nevada Residents, 1996-2000

Survival Rate of Stage at Diagnosis		Gender		
		Total	Male	Female
Total	Cases	597	413	184
	One Year	76.5%	76.1%	77.2%
	5 Years	31.0%	33.6%	28.5%
	Median Survival	2.72	2.64	2.89
Stage at Diagnosis				
In situ	Cases	0	0	0
	One Year	---	---	---
	5 Years	---	---	---
	Median Survival	---	---	---
Localized	Cases	200	120	80
	One Year	91.2%	89.8%	93.3%
	5 Years	49.9%	39.4%	67.5%
	Median Survival	4.00	3.51	>5 years
Regional	Cases	236	173	63
	One Year	78.4%	78.4%	78.2%
	5 Years	25.0%	36.1%	0.0%
	Median Survival	2.71	3.04	2.35
Distant	Cases	66	56	10
	One Year	51.3%	52.6%	44.4%
	5 Years	16.1%	23.7%	0.0%
	Median Survival	1.09	1.20	0.90
Unstaged	Cases	95	64	31
	One Year	61.6%	68.1%	50.0%
	5 Years	24.9%	28.4%	21.4%
	Median Survival	1.46	1.80	1.00

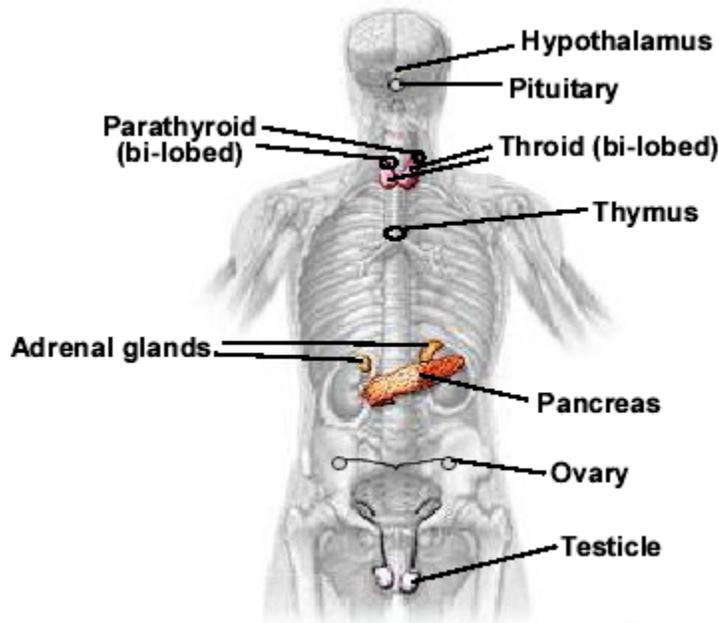
Notes: 1) The “---“ indicates that survival rate could not be calculated due to small cell size. Caution should be used when interpreting survival rates based upon categories with a small number of cases. 2) These rates may not be directly comparable to National rates because of different methodologies. Caution should be used when trying to compare rates for Nevada and the Nation. For more information on the calculation of survival rates, please refer to Technical Notes section.

PANCREATIC CANCER

PANCREATIC CANCER

GENERAL PROFILE⁴

Figure 153. Anatomy of the Endocrine System⁵



General Anatomy: The pancreas is a gland located deep in the abdomen between the stomach and the spine (backbone). The pancreas is about 6 inches long and is shaped like a flat pear. The pancreas makes insulin and other hormones that travel throughout the body to help the body use or store the energy that comes from food.

Risk Factors: Age, smoking, diabetes, being male, being African American, family history of pancreatic cancer, and Chronic pancreatitis.

Signs and Symptoms: Pancreatic cancer is sometimes called a "silent disease" because early pancreatic cancer often does not cause symptoms. But, as the cancer grows, symptoms may include: Pain in the upper abdomen or upper back, yellow skin and eyes, and dark urine from jaundice, weakness, loss of appetite, nausea and vomiting, and weight loss.

Diagnosing the Cancer: Physical exam, blood, stool and urine tests (Bilirubin levels), computed tomography (CAT) scan, ultrasonography (Transabdominal, Endoscopic), endoscopic retrograde cholangiopancreatography (ERCP), percutaneous transhepatic cholangiography (PTC), and fine-needle aspiration.

Treatment: Surgery (Whipple procedure, Distal pancreatectomy, Total pancreatectomy, bypass), radiation therapy, and chemotherapy.

HIGHLIGHTS

- The ratio of the age-adjusted incidence rate, 11.1, to the age-adjusted mortality rate, 10.0 (per 100,000 – 2000 US Standard population), for Pancreatic Cancer was 1.12 during the 1996 to 2000 period, which means that for every 1.12 Pancreatic Cancer cases there was one death due to this type of cancer in Nevada. Both females and males were similar with ratios of 1.13 and 1.12 during this period.
- The median age at diagnosis of Pancreatic Cancer for Nevada residents was 69.0 years of age, while the median age for males and females was 68 and 71 years during the 1996 to 2000 period. The median age at time of death due to Cancer of the Pancreas was 70 years for Nevada overall, 69 years for males and 71 years of age for females.

INCIDENCE

- There were 917 cases of Pancreatic Cancer reported in Nevada from 1996 to 2000. Nevada's age-adjusted incidence rate for Pancreatic Cancer (11.1) was only slightly higher than the National rate of 10.9 (per 100,000 – 2000 US Standard population) from 1996 to 2000.
- While regional comparisons showed only slight variations between the age-adjusted incidence rates of Pancreatic Cancer for Clark County (11.3), All Other Counties (11.2) and Washoe County (10.2) from 1996 to 2000, statistical analysis shows no statistically significant difference between the three regions. This was the same for Males and Females in Nevada who had rates of 12.3 and 10.3 (per 100,000 – 2000 US Standard population), respectively.
- Blacks, as a racial/ethnic group, had the highest statistically significant age-adjusted incidence rate for Pancreatic Cancer, 17.7 (13.5-23.2), of any racial/ethnic group from 1996 to 2000. Whites, Hispanics and Asians followed with rates of 11.4 (10.6-12.2), 8.0 (5.1-12.2) and 5.9 (3.4-12.1), per 100,000 – 2000 US Standard population, respectively, during this time.

INPATIENT HOSPITAL DISCHARGES

- Billed charges from Pancreatic Cancer inpatient hospital discharges accounted for greater than 26.7 million dollars from 1996 to 2000. Nevadans in the 55-64 and 65-74 age groups accounted for 56.9% of the total inpatient discharges and 56.6% of the total billed charges during this period. The overall daily billed amount for Pancreatic Cancer inpatient hospital discharges was approximately \$4,000 in Nevada during this period.
- There were 708 inpatient hospital discharges for Pancreatic Cancer to residents in Nevada from 1996 to 2000. Clark County had the highest age-adjusted inpatient discharge rate, 9.3 (8.5-10.2), for Pancreatic Cancer and showed statistical significance over the All Other Counties region's rate of 6.2 (4.9-7.7), which was the lowest age-adjusted inpatient discharge rate of any region in Nevada during the 1996 to 2000 period.

- The median total billed charges in Nevada for inpatient discharges due to Cancer of the Pancreas were \$23,371 from 1996 to 2000. Clark and Washoe County had the highest median total billed charges, \$26,167 and \$23,196, which were more than double the All Other Counties' median billed amount of \$10,024.

MORTALITY

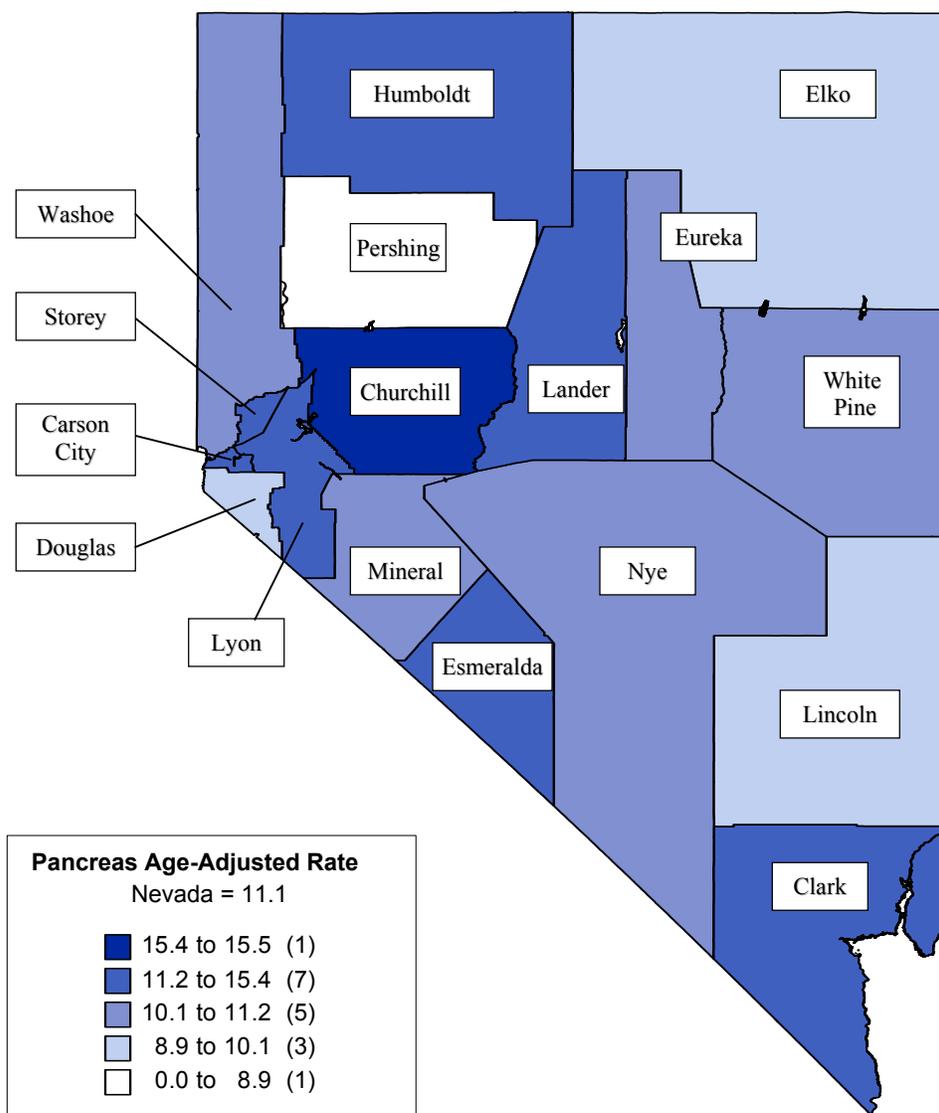
- There were 810 resident Pancreatic Cancer deaths from 1996 to 2000. Regional comparisons were fairly similar between Clark County, All Other Counties and Washoe County with rates of 10.3, 9.3 and 9.1 (per 100,000 – 2000 US Standard population), respectively.
- Blacks, as a racial/ethnic group, had the highest age-adjusted Pancreatic Cancer mortality rate, (13.3); followed by Whites, Hispanics and Asians with rates of 10.1, 8.4 and 5.2 (per 100,000 – 2000 US Standard population), respectively. However, statistical analysis does not show any statistical significance between any of the racial/ethnic groups.

SURVIVAL RATE

- While the one-year survival rate for Nevada females with Pancreatic Cancer (22.1%) was slightly higher than the rate for males (21.7%) during the 1996 to 2000 period, the five-year survival rate decreased to 0.0% for females and 5.7% for males from 1996 to 2000.
- The one-year survival rate for those diagnosed with Pancreatic Cancer at the localized stage was 36.1%, while those diagnosed at the regional, distant and unstaged stages had rates of 27.1%, 12.5% and 21.5%, respectively, during the 1996 to 2000 period.
- From 1996 to 2000, the median survival time for Pancreatic Cancer diagnosed at the localized stage was 0.78 years, while those diagnosed at the regional, distant and unstaged levels had median survival times of 0.69, 0.57 and 0.64 years, respectively.

INCIDENCE

Figure 154. Pancreatic Cancer Age-Adjusted (2000) Incidence Rates, Nevada Residents, 1996-2000



Note: Rates are per 100,000 population and age-adjusted to 2000 US Standard population. Caution should be used when interpreting rates based upon small numbers. See Technical notes for more information.

Figure 155. Pancreatic Cancer Age-Adjusted Incidence Rates by County/Region of Residence, Nevada Residents, 1996-2000

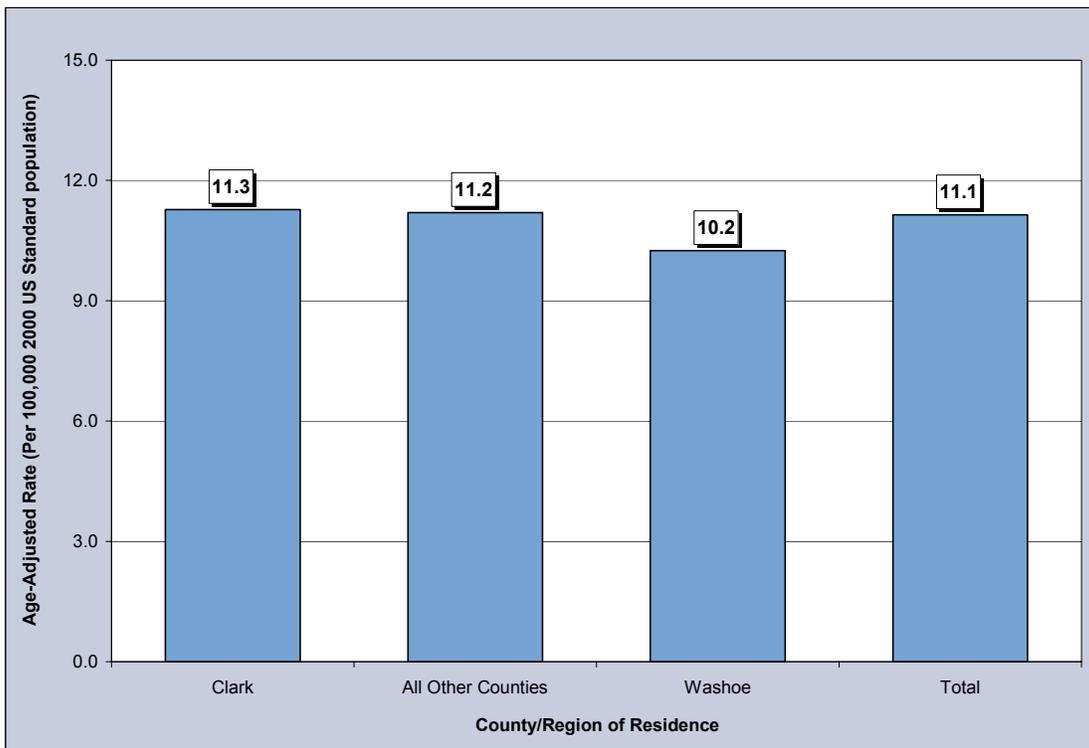


Figure 156. Pancreatic Cancer Age-Adjusted Incidence Rates by Race/Ethnicity, Nevada Residents, 1996-2000

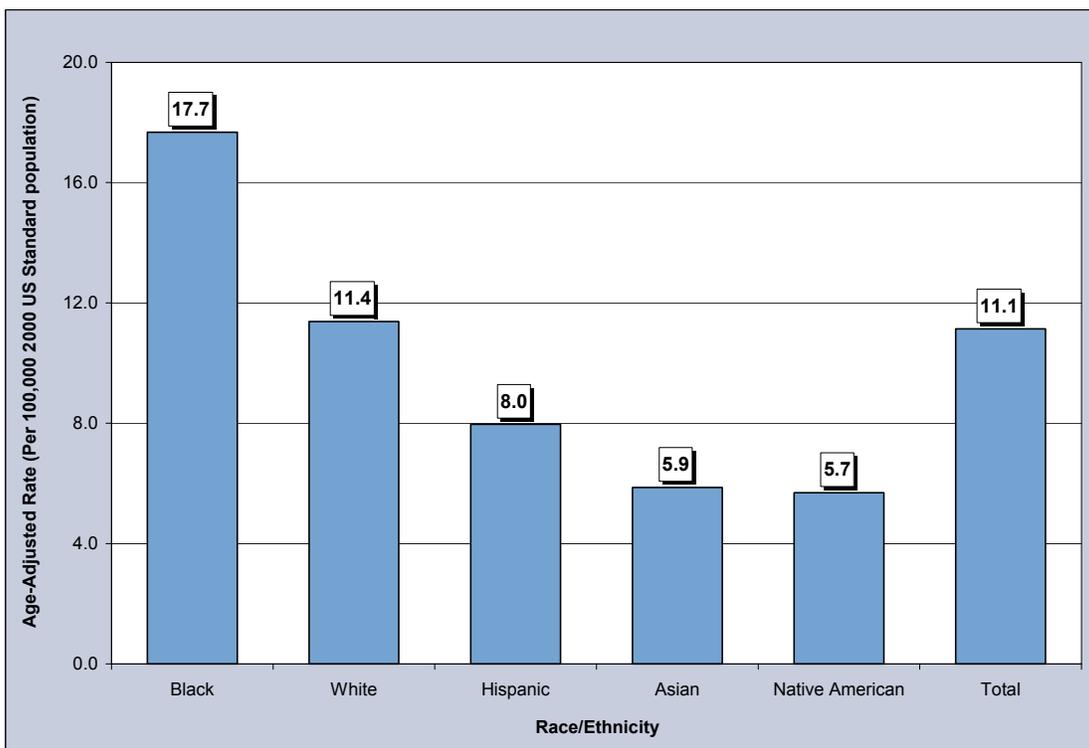


Table 234. Pancreatic Cancer Cases by Gender, Race/Ethnicity and County/Region of Residence at Diagnosis, Nevada Residents (1996-2000) and SEER-11 (1995-1999)

Category	County/Region of Residence					SEER 11 (1995-1999)
	Nevada Total	Clark	Washoe	All Other Counties	Unknown	
Total						
Cases	917	614	144	154	5	18,152
Rate*	11.1	11.3	10.2	11.2	---	10.9
95% C.I.	(10.4-11.9)	(10.4-12.3)	(8.6-12.1)	(9.5-13.2)	---	(10.8-11.1)
Gender						
Male	471	311	75	82	3	8,778
Rate*	12.3	12.4	11.5	12.5	---	12.4
95% C.I.	(11.1-13.6)	(10.9-14.2)	(8.9-14.8)	(9.8-15.9)	---	(12.1-12.7)
Female	446	303	69	72	2	9,374
Rate*	10.3	10.5	9.2	10.1	---	9.7
95% C.I.	(9.3-11.3)	(9.4-11.8)	(7.1-11.7)	(7.9-12.7)	---	(9.6-9.9)
Other/Unknown	0	0	0	0	0	0
Race/Ethnicity						
White	791	508	132	147	4	14,562
Rate*	11.4	11.5	10.6	11.6	---	10.6
95% C.I.	(10.6-12.2)	(10.5-12.6)	(8.8-12.6)	(9.7-13.7)	---	(10.4-10.8)
Black	68	62	5	1	0	2,091
Rate*	17.7	17.7	---	---	---	15.9
95% C.I.	(13.5-23.2)	(13.3-23.5)	---	---	---	(15.2-16.6)
Native American	5	2	2	1	0	59
Rate*	---	---	---	---	---	5.9
95% C.I.	---	---	---	---	---	(4.5-4.5)
Asian	19	17	0	1	1	1,365
Rate*	5.9	6.3	---	---	---	9.4
95% C.I.	(3.4-12.1)	(3.5-14.2)	---	---	---	(8.9-9.9)
Hispanic	33	24	5	4	0	1,324
Rate*	8.0	7.7	---	---	---	8.5
95% C.I.	(5.1-12.2)	(4.4-12.8)	---	---	---	(8.1-9.0)
Other/Unknown	1	1	0	0	0	75

* Rates are per 100,000 population and are age-adjusted to the 2000 US Standard population.

Note: The "----" is used for rates calculated on numbers less than ten and SEER numbers less than five. Caution should be used when comparing rates for racial/ethnic groups to the National (SEER) rates. See Technical Notes for more information.

Table 235. Pancreatic Cancer Cases by Age Group and County/Region of Residence at Diagnosis, Nevada Residents (1996-2000) and SEER-11 (1995-1999)

Category	County/Region of Residence					
	Nevada Total	Clark	Washoe	All Other Counties	Unknown	SEER 11 (1995-1999)
Total						
Cases	917	614	144	154	5	18,152
Rate*	9.9	9.8	8.8	11.2	---	9.8
95% C.I.	(9.2-10.5)	(9.0-10.5)	(7.4-10.2)	(9.5-13.0)	---	(9.7-9.9)
Age Group						
<1	0	0	0	0	0	---
Rate*	---	---	---	---	---	---
95% C.I.	---	---	---	---	---	---
1-4	0	0	0	0	0	---
Rate*	---	---	---	---	---	---
95% C.I.	---	---	---	---	---	---
5-14	1	0	1	0	0	5
Rate*	---	---	---	---	---	---
95% C.I.	---	---	---	---	---	---
15-24	2	2	0	0	0	14
Rate*	---	---	---	---	---	0.1
95% C.I.	---	---	---	---	---	(0.0-0.1)
25-34	1	1	0	0	0	80
Rate*	---	---	---	---	---	0.3
95% C.I.	---	---	---	---	---	(0.2-0.3)
35-44	14	9	3	2	0	470
Rate*	0.9	---	---	---	---	1.5
95% C.I.	(0.4-1.4)	---	---	---	---	(1.4-1.6)
45-54	91	63	13	15	0	1,625
Rate*	7.5	8.0	5.8	7.8	---	7.1
95% C.I.	(6.0-9.1)	(6.0-9.9)	(2.6-8.9)	(3.9-11.7)	---	(6.8-7.4)
55-64	208	144	31	32	1	3,029
Rate*	24.2	24.8	21.9	23.2	---	21.6
95% C.I.	(20.9-27.4)	(20.7-28.8)	(14.2-29.6)	(15.2-31.2)	---	(20.9-22.4)
65-74	304	200	48	55	1	5,327
Rate*	49.0	48.2	47.6	52.6	---	46.2
95% C.I.	(43.5-54.6)	(41.6-54.9)	(34.1-61.1)	(38.7-66.5)	---	(44.9-47.4)
75-84	232	155	38	36	3	5,342
Rate*	70.8	71.7	69.1	63.7	---	73.5
95% C.I.	(61.7-79.9)	(60.4-83.0)	(47.1-91.0)	(42.9-84.6)	---	(71.5-75.5)
85+	64	40	10	14	0	2,260
Rate*	90.8	93.4	69.4	106.1	---	91.1
95% C.I.	(68.6-113.1)	(64.4-122.3)	(26.4-112.4)	(50.5-161.7)	---	(87.4-94.9)
Unknown	0	0	0	0	0	0

* Rates are per 100,000 age-specific population.

Note: The “---” is used for rates calculated on numbers less than ten and SEER numbers less than five. See Technical Notes for more information.

Table 236. Pancreatic Cancer Cases by County of Residence at Diagnosis, Nevada Residents, 1996-2000

County of Residence at Diagnosis	1996-2000 Incidence				
	Cases	Rate*		Age-Adjusted Rate**	
		Rate	95% C.I.	Rate	95% C.I.
Carson City	38	15.5	(10.6-20.4)	13.0	(9.1-18.0)
Churchill	16	13.6	(6.9-20.2)	15.5	(8.7-25.7)
Clark	614	9.8	(9.0-10.5)	11.3	(10.4-12.3)
Douglas	21	10.5	(6.0-15.0)	9.2	(5.6-15.1)
Elko	10	4.4	(1.7-7.1)	9.3	(4.1-18.7)
Esmeralda	1	---	---	---	---
Eureka	1	---	---	---	---
Humboldt	7	---	---	---	---
Lander	2	---	---	---	---
Lincoln	2	---	---	---	---
Lyon	21	13.0	(7.4-18.5)	12.2	(7.4-19.4)
Mineral	4	---	---	---	---
Nye	23	15.5	(9.2-21.8)	10.2	(6.4-17.0)
Pershing	0	---	---	---	---
Storey	3	---	---	---	---
Washoe	144	8.8	(7.4-10.2)	10.2	(8.6-12.1)
White Pine	5	---	---	---	---
Unknown	5	---	---	---	---
Total	917	9.9	(9.2-10.5)	11.1	(10.4-11.9)

Note: The “---“ is used for rates calculated on numbers less than ten. *Rates are per 100,000 population. **Rates are per 100,000 population and are age-adjusted to the 2000 US Standard population.

Table 237. Pancreatic Cancer Cases by Race/Ethnicity and Gender, Nevada Residents, 1996-2000

Race/Ethnicity	Gender				
	Male	Female	Other/Unknown	Total	
White	Incidence	406	385	0	791
	Rate*	12.4	10.5	---	11.4
	95% C.I.	(11.1-13.8)	(9.5-11.7)	---	(10.6-12.2)
Black	Incidence	36	32	0	68
	Rate*	17.9	16.4	---	17.7
	95% C.I.	(12.4-27.9)	(11.0-23.9)	---	(13.5-23.2)
Native American	Incidence	3	2	0	5
	Rate*	---	---	---	---
	95% C.I.	---	---	---	---
Asian	Incidence	6	13	0	19
	Rate*	---	6.9	---	5.9
	95% C.I.	---	(3.3-17.6)	---	(3.4-12.1)
Hispanic	Incidence	20	13	0	33
	Rate*	13.0	5.3	---	8.0
	95% C.I.	(6.5-24.0)	(2.7-10.1)	---	(5.1-12.2)
Other/Unknown	0	1	0	1	
Total	Incidence	471	446	0	917
	Rate*	12.3	10.3	---	11.1
	95% C.I.	(11.1-13.6)	(9.3-11.3)	---	(10.4-11.9)

Note: The “---“ is used for rates calculated on numbers less than ten. *Rates are per 100,000 population and are age-adjusted to the 2000 US Standard population.

Table 238. Pancreatic Cancer Cases by Age Group and Gender, Nevada Residents, 1996-2000

Age Group	Gender			
	Male	Female	Other/ Unknown	Total
<1	0	0	0	0
Rate*	---	---	---	---
95% C.I.	---	---	---	---
1-4	0	0	0	0
Rate*	---	---	---	---
95% C.I.	---	---	---	---
5-14	0	1	0	1
Rate*	---	---	---	---
95% C.I.	---	---	---	---
15-24	1	1	0	2
Rate*	---	---	---	---
95% C.I.	---	---	---	---
25-34	0	1	0	1
Rate*	---	---	---	---
95% C.I.	---	---	---	---
35-44	8	6	0	14
Rate*	---	---	---	0.9
95% C.I.	---	---	---	(0.4-1.4)
45-54	58	33	0	91
Rate*	9.5	5.5	---	7.5
95% C.I.	(7.0-11.9)	(3.6-7.4)	---	(6.0-9.1)
55-64	112	96	0	208
Rate*	26.1	22.2	---	24.2
95% C.I.	(21.3-31.0)	(17.8-26.7)	---	(20.9-27.4)
65-74	172	132	0	304
Rate*	56.3	42.0	---	49.0
95% C.I.	(47.8-64.7)	(34.8-49.2)	---	(43.5-54.6)
75-84	89	143	0	232
Rate*	60.3	79.3	---	70.8
95% C.I.	(47.8-72.9)	(66.3-92.3)	---	(61.7-79.9)
85+	31	33	0	64
Rate*	136.7	69.1	---	90.8
95% C.I.	(88.6-184.9)	(45.5-92.6)	---	(68.6-113.1)
Unknown	0	0	0	0
Total	471	446	0	917
Rate*	10.0	9.8	---	9.9
95% C.I.	(9.1-10.9)	(8.8-10.7)	---	(9.2-10.5)

* Rates are per 100,000 age-specific population.
 Note: The “---” is used for rates calculated on numbers less than ten.

Table 239. Pancreatic Cancer Cases by Age Group and Stage, Nevada Residents, 1996-2000

Age Group		Stage					Total
		In situ	Localized	Regional	Distant	Unstaged	
<1	Number	0	0	0	0	0	0
	Percent	---	---	---	---	---	---
1-4	Number	0	0	0	0	0	0
	Percent	---	---	---	---	---	---
5-14	Number	0	0	1	0	0	1
	Percent	---	---	100.0%	---	---	100.0%
15-24	Number	0	1	0	1	0	2
	Percent	---	50.0%	---	50.0%	---	100.0%
25-34	Number	0	0	1	0	0	1
	Percent	---	---	100.0%	---	---	100.0%
35-44	Number	0	1	5	7	1	14
	Percent	---	7.1%	35.7%	50.0%	7.1%	100.0%
45-54	Number	0	5	33	26	27	91
	Percent	---	5.5%	36.3%	28.6%	29.7%	100.0%
55-64	Number	0	16	64	64	64	208
	Percent	---	7.7%	30.8%	30.8%	30.8%	100.0%
65-74	Number	0	24	87	78	115	304
	Percent	---	7.9%	28.6%	25.7%	37.8%	100.0%
75-84	Number	0	18	42	66	106	232
	Percent	---	7.8%	18.1%	28.4%	45.7%	100.0%
85+	Number	0	10	13	6	35	64
	Percent	---	15.6%	20.3%	9.4%	54.7%	100.0%
Unknown	Number	0	0	0	0	0	0
	Percent	---	---	---	---	---	---
Total	Number	0	75	246	248	348	917
	Percent	---	8.2%	26.8%	27.0%	37.9%	100.0%

Table 240. Pancreatic Cancer Cases by Stage and Race/Ethnicity, Nevada Residents, 1996-2000

Stage		Race/Ethnicity						
		White	Black	Native American	Asian	Hispanic	Other/Unknown	Total
In situ	Number	0	0	0	0	0	0	0
	Percent	---	---	---	---	---	---	---
Localized	Number	66	6	0	3	0	0	75
	Percent	8.3%	8.8%	---	15.8%	---	---	8.2%
Regional	Number	205	17	3	7	13	1	246
	Percent	25.9%	25.0%	60.0%	36.8%	39.4%	100.0%	26.8%
Distant	Number	212	22	0	2	12	0	248
	Percent	26.8%	32.4%	---	10.5%	36.4%	---	27.0%
Unstaged	Number	308	23	2	7	8	0	348
	Percent	38.9%	33.8%	40.0%	36.8%	24.2%	---	37.9%
Total	Number	791	68	5	19	33	1	917
	Percent	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%

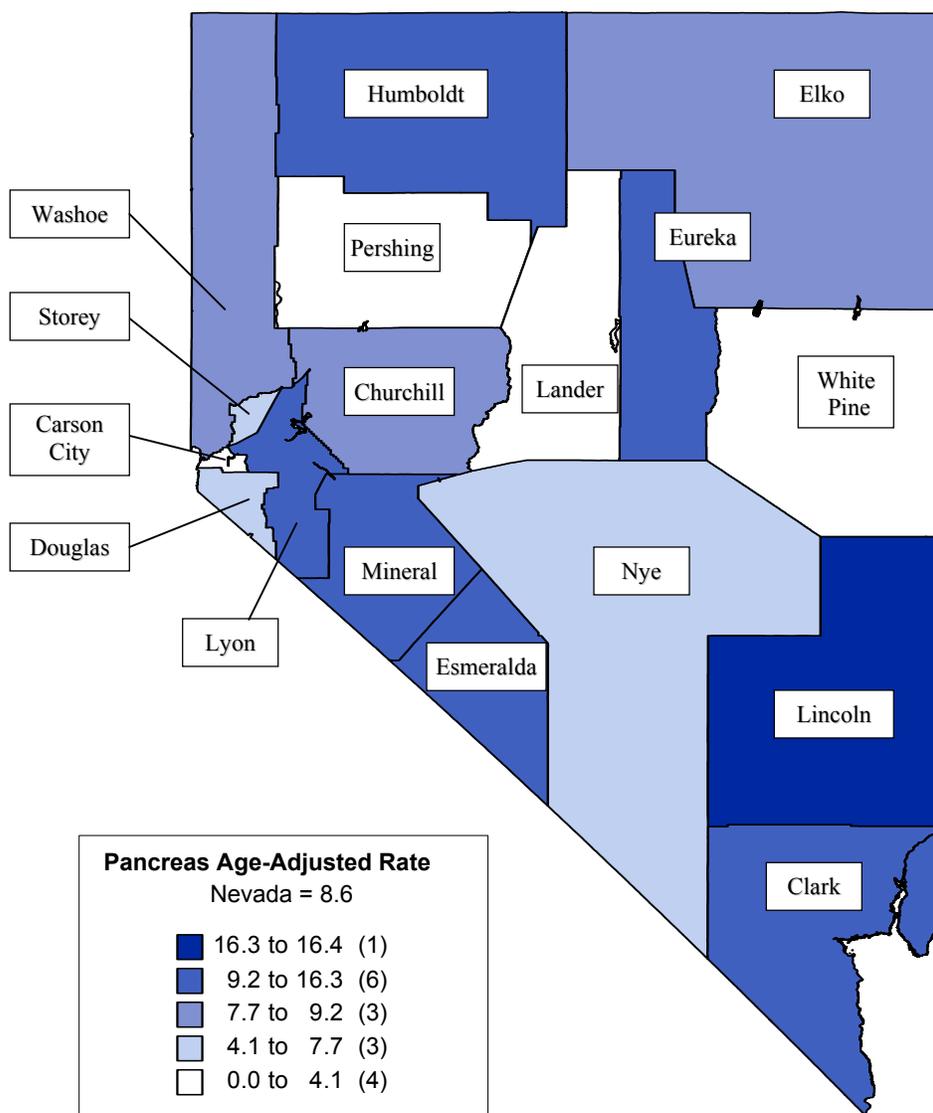
Table 241. Median Age at Diagnosis of Pancreatic Cancer by Race/Ethnicity and Gender, Nevada Residents, 1996-2000

Race/Ethnicity	Gender					
	Male		Female		Total	
	Incidence	Median Age	Incidence	Median Age	Incidence	Median Age
White	406	68.0	385	71.0	791	70.0
Black	36	66.0	32	69.0	68	67.0
Native American	3	---	2	---	5	65.0
Asian	6	64.0	13	68.0	19	66.0
Hispanic	20	65.0	13	71.0	33	68.0
Other/Unknown	0	---	1	---	1	---
Total	471	68.0	446	71.0	917	69.0

Note: Those cases of other/unknown gender and/or unknown ages are not included in this table. The median age was not calculated for those numbers less than five.

INPATIENT HOSPITAL DISCHARGES

Figure 157. Pancreatic Cancer Age-Adjusted (2000) Inpatient Discharge Rates, Nevada Residents, 1996-2000



Note: Rates are per 100,000 population and age-adjusted to 2000 US Standard population. Caution should be used when interpreting rates based upon small numbers and comparing inpatient hospital discharge rates to other data sources, because it is occurrence based data. See Technical notes for more information.

Figure 158. Pancreatic Cancer Age-Adjusted Inpatient Discharge Rates by County/Region of Residence, Nevada Residents, 1996-2000

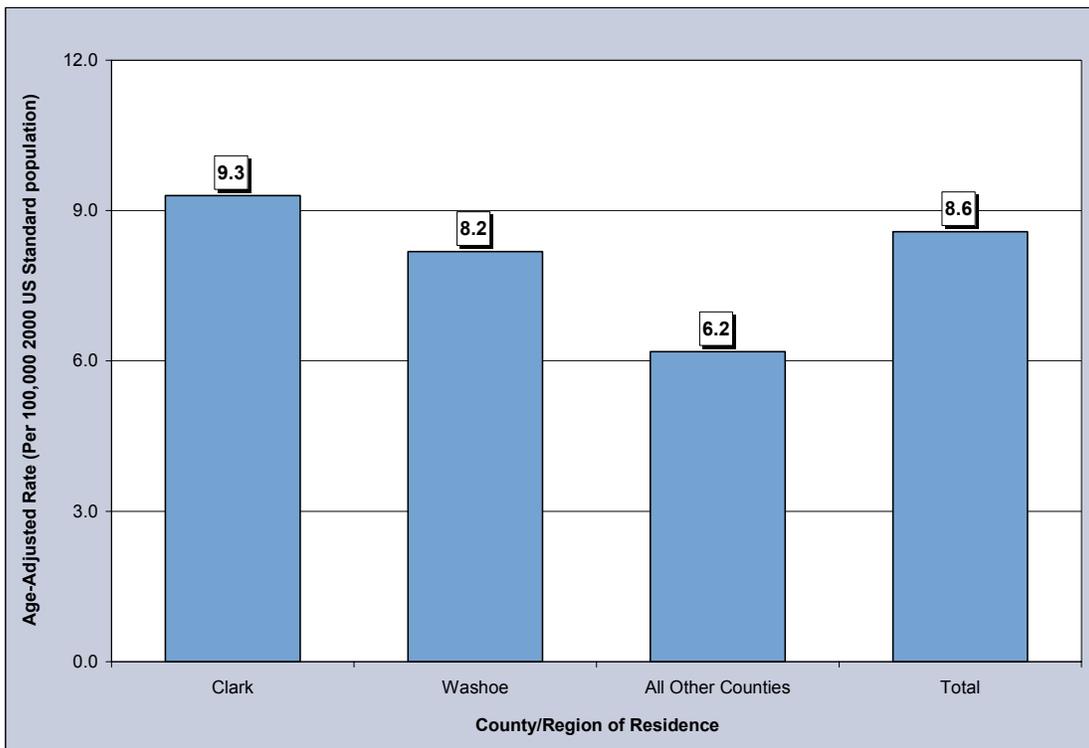


Figure 159. Median Charges for Pancreatic Cancer Inpatient Discharges by County/Region of Residence, Nevada Residents, 1996-2000

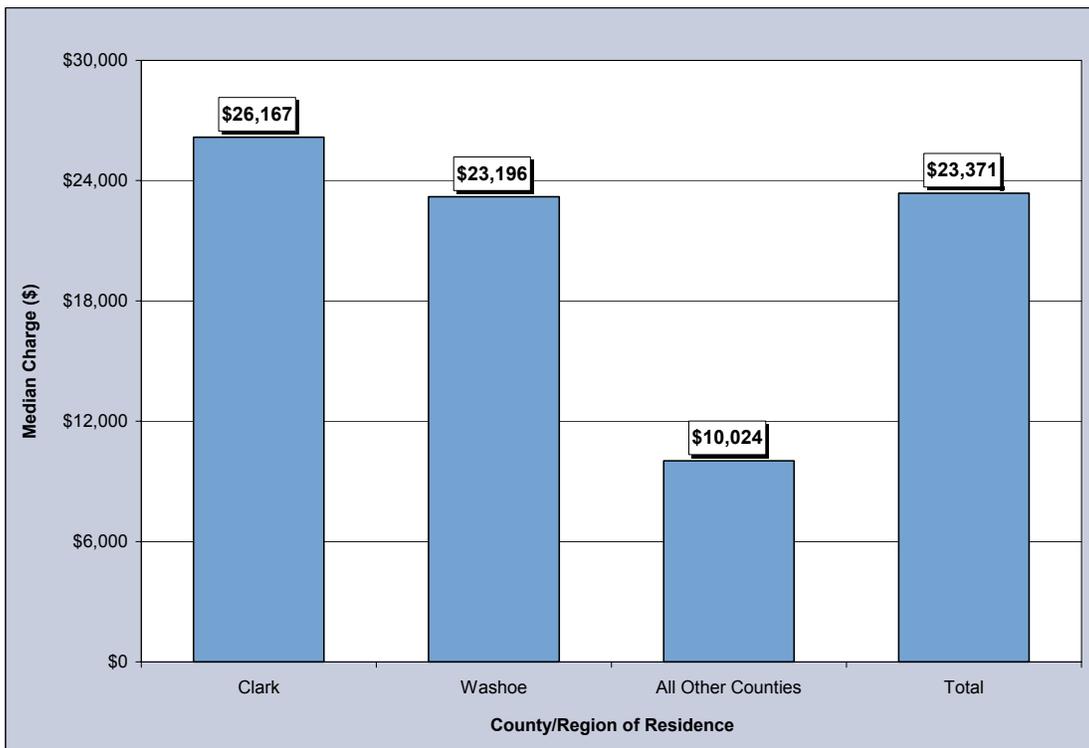


Figure 160. Average Length of Stay for Pancreatic Cancer Inpatient Discharges by County/Region of Residence, Nevada Residents, 1996-2000

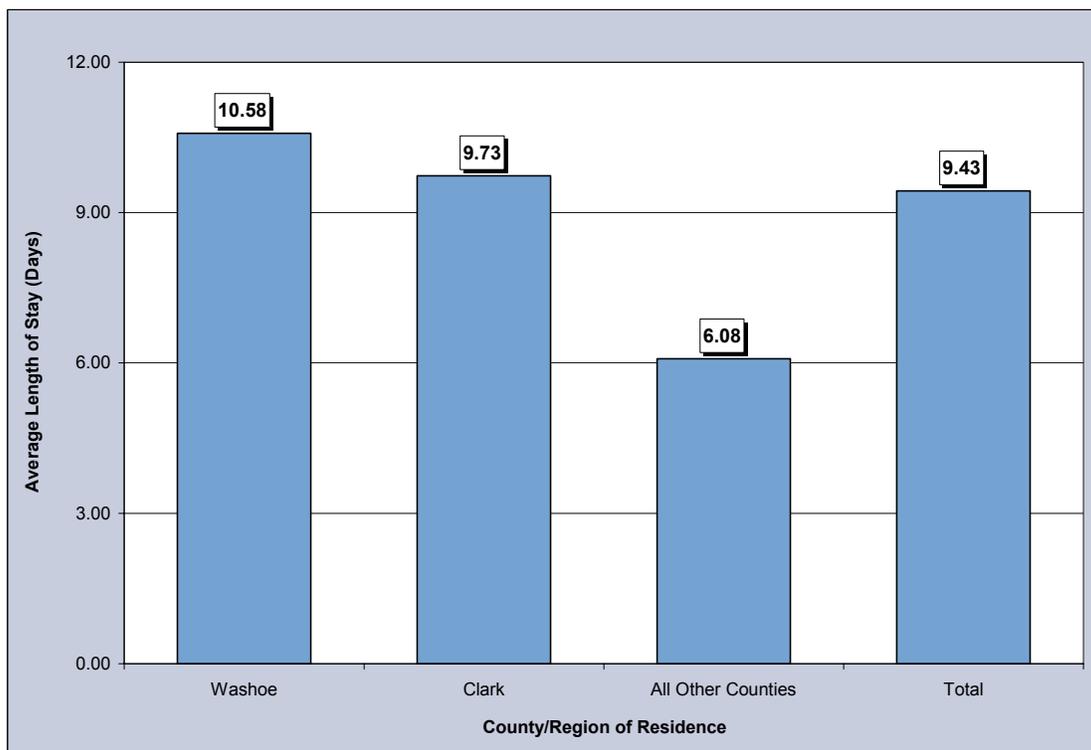


Table 242. Pancreatic Cancer Inpatient Discharges by Gender, Charges, Length of Stay, and County/Region of Residence, Nevada Residents, 1996-2000

Category	County/Region of Residence				
	Nevada Total	Clark	Washoe	All Other Counties	Unknown
Total					
Discharges	708	509	114	85	0
Rate*	8.6	9.3	8.2	6.2	---
95% C.I.	(7.9-9.3)	(8.5-10.2)	(6.7-9.9)	(4.9-7.7)	---
Gender					
Male	360	260	46	54	0
Rate*	9.2	10.0	6.9	8.4	---
95% C.I.	(8.2-10.4)	(8.7-11.5)	(5.0-9.6)	(6.1-11.4)	---
Female	348	249	68	31	0
Rate*	8.0	8.7	9.1	4.3	---
95% C.I.	(7.2-8.9)	(7.6-9.9)	(7.0-11.5)	(2.9-6.2)	---
Other/Unknown	0	0	0	0	0
Inpatient Discharge Charges (\$)					
Total Charges	\$26,724,783	\$21,294,562	\$3,783,187	\$1,647,034	---
Average Charges	\$37,747	\$41,836	\$33,186	\$19,377	---
Median Charges	\$23,371	\$26,167	\$23,196	\$10,024	---
Discharge Length of Stay (LOS) (Days)					
Total LOS	6,677	4,954	1,206	517	---
Average LOS	9.4	9.7	10.6	6.1	---
Median LOS	7.0	7.0	9.0	5.0	---

* Rates are per 100,000 population and are age-adjusted to the 2000 US Standard population.

Note: The "----" is used for rates calculated on numbers less than ten. Caution should be used when comparing inpatient hospital discharge data to other data sources, since it is occurrence-based data. Please see Technical Notes for more information.

Table 243. Pancreatic Cancer Inpatient Discharges by Age Group and County/Region of Residence, Nevada Residents, 1996-2000

Category	County/Region of Residence				
	Nevada Total	Clark	Washoe	All Other Counties	Unknown
Total					
Discharges	708	509	114	85	0
Rate*	7.6	8.1	7.0	6.2	---
95% C.I.	(7.0-8.2)	(7.4-8.8)	(5.7-8.2)	(4.9-7.5)	---
Age Group					
<1	0	0	0	0	0
Rate*	---	---	---	---	---
95% C.I.	---	---	---	---	---
1-4	0	0	0	0	0
Rate*	---	---	---	---	---
95% C.I.	---	---	---	---	---
5-14	0	0	0	0	0
Rate*	---	---	---	---	---
95% C.I.	---	---	---	---	---
15-24	1	1	0	0	0
Rate*	---	---	---	---	---
95% C.I.	---	---	---	---	---
25-34	2	2	0	0	0
Rate*	---	---	---	---	---
95% C.I.	---	---	---	---	---
35-44	8	6	2	0	0
Rate*	---	---	---	---	---
95% C.I.	---	---	---	---	---
45-54	80	63	9	8	0
Rate*	6.6	8.0	---	---	---
95% C.I.	(5.2-8.1)	(6.0-9.9)	---	---	---
55-64	163	116	24	23	0
Rate*	18.9	20.0	17.0	16.3	---
95% C.I.	(16.0-21.8)	(16.3-23.6)	(10.2-23.8)	(9.6-22.9)	---
65-74	240	168	41	31	0
Rate*	38.7	40.5	40.7	30.7	---
95% C.I.	(33.8-43.6)	(34.4-46.7)	(28.2-53.1)	(19.9-41.6)	---
75-84	162	121	28	13	0
Rate*	49.4	56.0	50.9	23.6	---
95% C.I.	(41.8-57.0)	(46.0-65.9)	(32.0-69.7)	(10.8-36.5)	---
85+	52	32	10	10	0
Rate*	73.8	74.7	69.4	69.4	---
95% C.I.	(53.7-93.9)	(48.8-100.6)	(26.4-112.4)	(26.4-112.4)	---
Unknown	0	0	0	0	0

* Rates are per 100,000 age-specific population.

Note: The “---” is used for rates calculated on numbers less than ten. Caution should be used when comparing inpatient hospital discharge data to other data sources, since it is occurrence-based data. Please see Technical Notes for more information.

Table 244. Pancreatic Cancer Inpatient Discharges by Age Group and Gender, Nevada Residents, 1996-2000

Age Group	Gender		
	Male	Female	Total
<1	0	0	0
Rate*	---	---	---
95% C.I.	---	---	---
1-4	0	0	0
Rate*	---	---	---
95% C.I.	---	---	---
5-14	0	0	0
Rate*	---	---	---
95% C.I.	---	---	---
15-24	0	1	1
Rate*	---	---	---
95% C.I.	---	---	---
25-34	1	1	2
Rate*	---	---	---
95% C.I.	---	---	---
35-44	5	3	8
Rate*	---	---	---
95% C.I.	---	---	---
45-54	55	25	80
Rate*	9.0	4.2	6.6
95% C.I.	(6.6-11.4)	(2.5-5.8)	(5.2-8.1)
55-64	81	82	163
Rate*	18.9	19.0	18.9
95% C.I.	(14.8-23.0)	(14.9-23.1)	(16.0-21.8)
65-74	136	104	240
Rate*	44.5	33.1	38.7
95% C.I.	(37.0-52.0)	(26.7-39.5)	(33.8-43.6)
75-84	61	101	162
Rate*	41.4	56.0	49.4
95% C.I.	(31.0-51.7)	(45.1-66.9)	(41.8-57.0)
85+	21	31	52
Rate*	92.6	64.9	73.8
95% C.I.	(53.0-132.2)	(42.0-87.7)	(53.7-93.9)
Unknown	0	0	0
Total	360	348	708
Rate*	7.6	7.6	7.6
95% C.I.	(6.8-8.4)	(6.8-8.4)	(7.0-8.2)

* Rates are per 100,000 age-specific population.

Note: The "---" is used for rates calculated on numbers less than ten. Caution should be used when comparing inpatient hospital discharge data to other data sources, since it is occurrence-based data. Please see Technical Notes for more information.

Table 245. Pancreatic Cancer Inpatient Discharges by County/Region of Residence, Nevada Residents, 1996-2000

County of Residence	1996-2000 Inpatient Hospital Discharges				
	Number	Rate*		Age-Adjusted Rate**	
		Rate	95% C.I.	Rate	95% C.I.
Carson City	8	---	---	---	---
Churchill	8	---	---	---	---
Clark	509	8.1	(7.4-8.8)	9.3	(8.5-10.2)
Douglas	12	6.0	(2.6-9.4)	6.1	(2.9-11.8)
Elko	8	---	---	---	---
Esmeralda	1	---	---	---	---
Eureka	1	---	---	---	---
Humboldt	6	---	---	---	---
Lander	0	---	---	---	---
Lincoln	3	---	---	---	---
Lyon	19	11.7	(6.5-17.0)	11.1	(6.5-18.1)
Mineral	5	---	---	---	---
Nye	12	8.1	(3.5-12.7)	5.3	(2.7-11.2)
Pershing	0	---	---	---	---
Storey	1	---	---	---	---
Washoe	114	7.0	(5.7-8.2)	8.2	(6.7-9.9)
White Pine	1	---	---	---	---
Unknown	0	---	---	---	---
Total	708	7.6	(7.0-8.2)	8.6	(7.9-9.3)

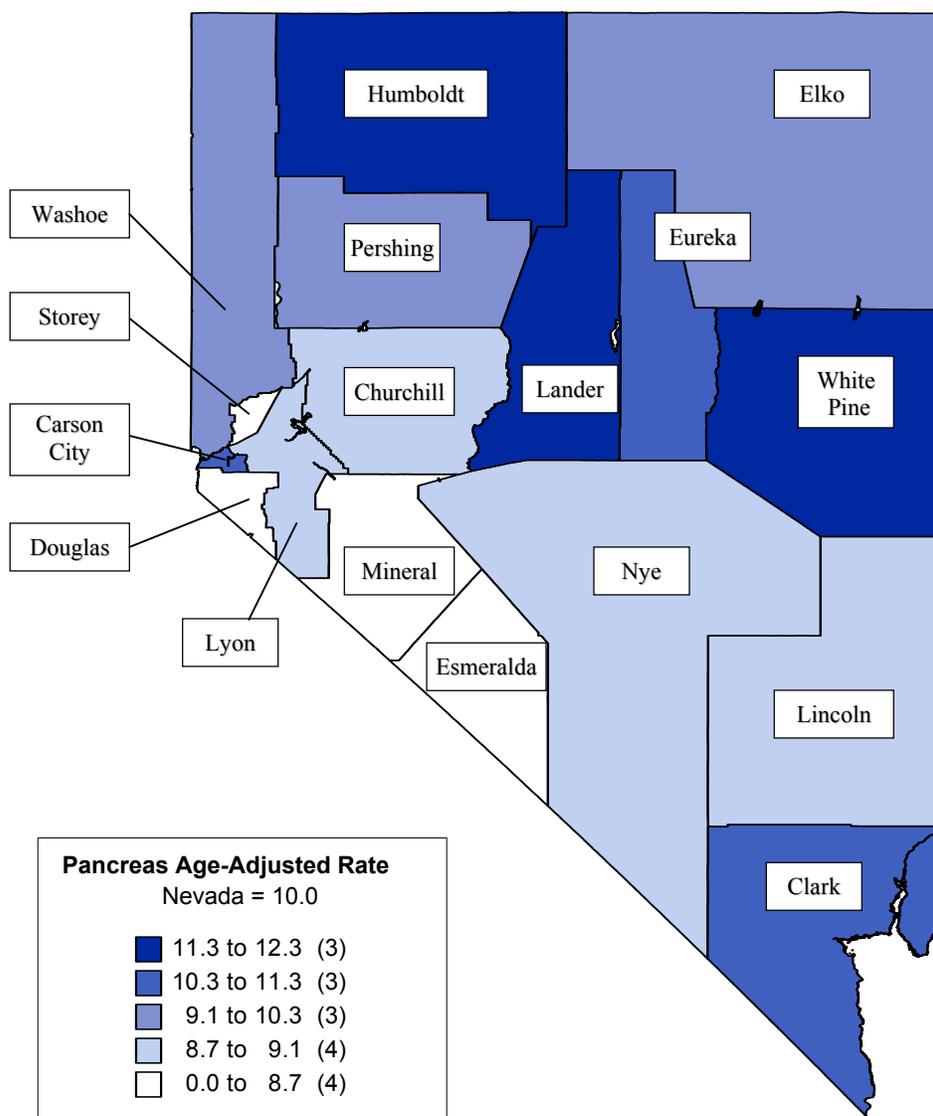
Note: The “---“ is used for rates calculated on numbers less than ten. *Rates are per 100,000 population. **Rates are per 100,000 population and are age-adjusted to the 2000 US Standard population.

Table 246. Pancreatic Cancer Inpatient Discharges by Age Group, Charges and Length of Stay, Nevada Residents, 1996-2000

Age Group	Discharges	Charges (\$)			Length of Stay (Days)		
		Total	Average	Median	Total	Average	Median
<1	0	---	---	---	---	---	---
1-4	0	---	---	---	---	---	---
5-14	0	---	---	---	---	---	---
15-24	1	---	---	---	---	---	---
25-34	2	---	---	---	---	---	---
35-44	8	1,400,083	175,010	66,057	219	27.4	16.0
45-54	80	2,924,157	36,552	25,531	762	9.5	7.5
55-64	163	6,259,195	38,400	24,179	1,587	9.7	7.0
65-74	240	8,865,908	36,941	24,672	2,151	9.0	7.0
75-84	162	5,780,018	35,679	22,578	1,489	9.2	7.0
85+	52	1,399,872	26,921	16,183	430	8.3	6.0
Unknown	0	---	---	---	---	---	---
Total	708	26,724,783	37,747	23,371	6,677	9.4	7.0

MORTALITY

Figure 161. Pancreatic Cancer Age-Adjusted (2000) Mortality Rates, Nevada Residents, 1996-2000



Note: Rates are per 100,000 population and age-adjusted to 2000 US Standard population. Caution should be used when interpreting rates based upon small numbers. See Technical notes for more information.

Figure 162. Pancreatic Cancer Age-Adjusted Mortality Rates by County/Region of Residence, Nevada Residents, 1996-2000

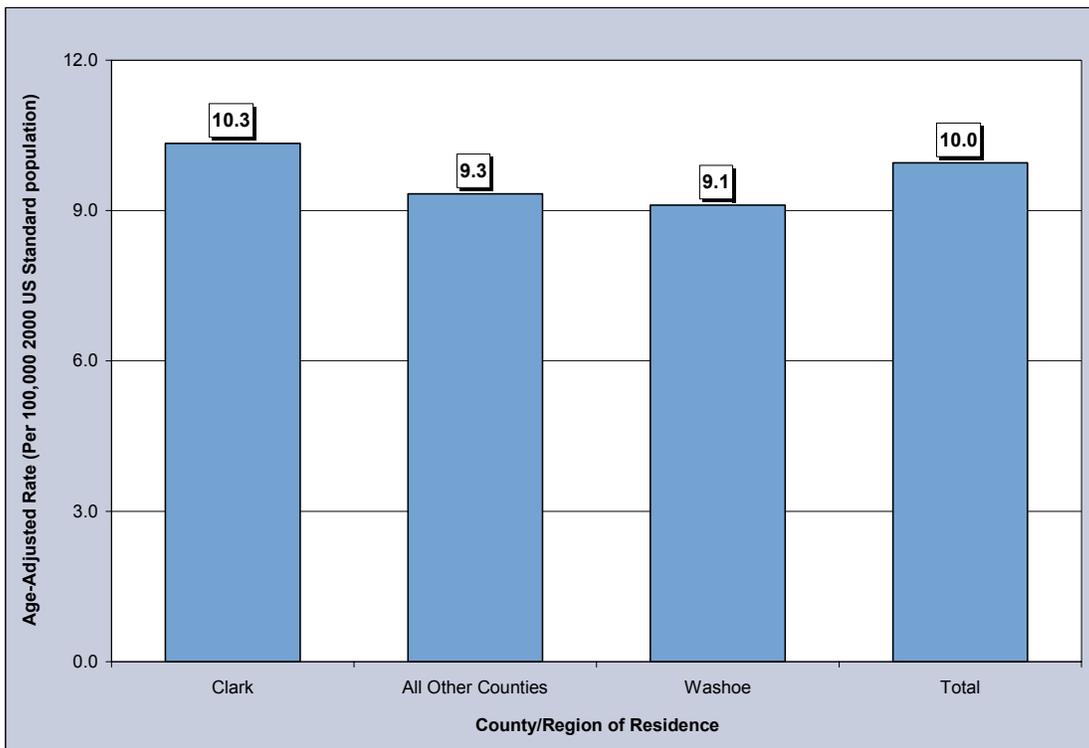


Figure 163. Pancreatic Cancer Age-Adjusted Mortality Rates by Race/Ethnicity, Nevada Residents, 1996-2000

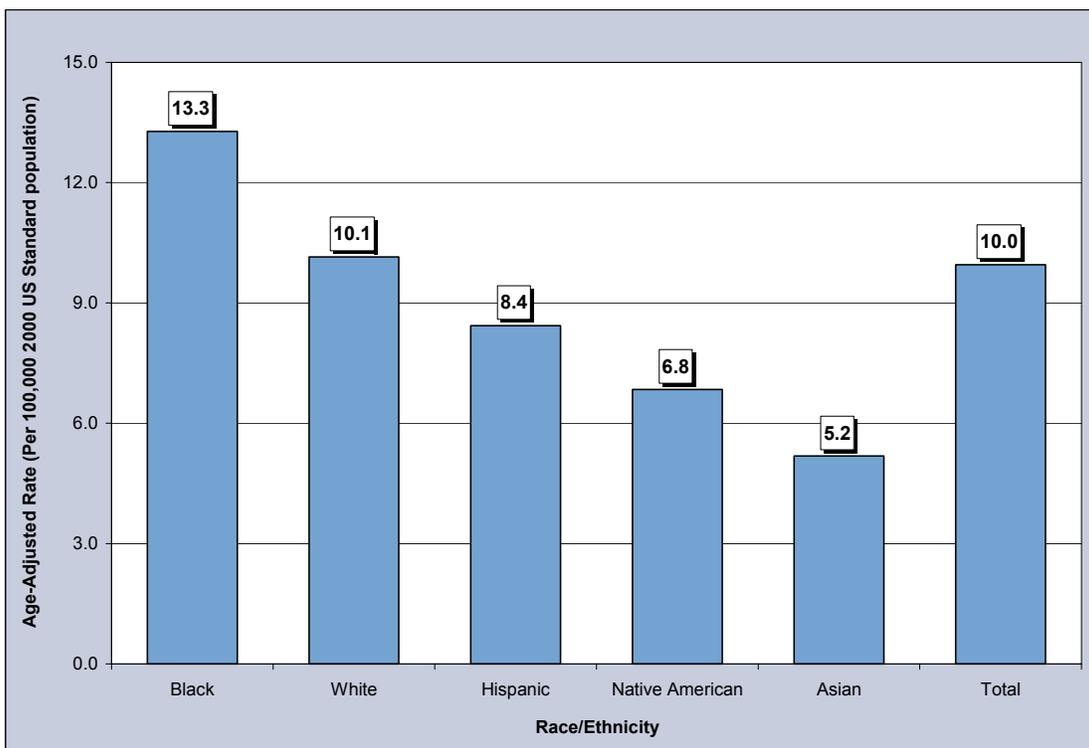


Table 247. Pancreatic Cancer Mortality by Gender, Race/Ethnicity and County/Region of Residence, Nevada Residents, 1996-2000

Category	County/Region of Residence			
	Nevada Total	Clark	Washoe	All Other Counties
Total				
Mortality	810	556	125	129
Rate*	10.0	10.3	9.1	9.3
95% C.I.	(9.3-10.7)	(9.5-11.3)	(7.6-10.9)	(7.8-11.2)
Gender				
Male	420	284	66	70
Rate*	11.0	11.4	10.1	10.6
95% C.I.	(9.9-12.3)	(10.0-13.1)	(7.7-13.3)	(8.1-13.8)
Female	390	272	59	59
Rate*	9.1	9.6	8.0	8.2
95% C.I.	(8.2-10.1)	(8.4-10.8)	(6.1-10.3)	(6.2-10.6)
Other/Unknown	0	0	0	0
Race/Ethnicity				
White	700	458	118	124
Rate*	10.1	10.5	9.6	9.7
95% C.I.	(9.4-11.0)	(9.5-11.5)	(7.9-11.6)	(8.0-11.6)
Black	51	50	1	0
Rate*	13.3	14.2	---	---
95% C.I.	(9.7-18.2)	(10.3-19.6)	---	---
Native American	6	2	2	2
Rate*	---	---	---	---
95% C.I.	---	---	---	---
Asian	16	15	0	1
Rate*	5.2	6.1	---	---
95% C.I.	(2.8-11.4)	(3.3-14.0)	---	---
Hispanic	36	30	4	2
Rate*	8.4	9.0	---	---
95% C.I.	(5.5-12.7)	(5.6-14.4)	---	---
Other/Unknown	1	1	0	0

*Rates are per 100,000 population and are age-adjusted to the 2000 US Standard population.

Note: The "—" is used for rates calculated on numbers less than ten.

Table 248. Pancreatic Cancer Mortality by Age Group and County/Region of Residence, Nevada Residents, 1996-2000

Category	County/Region of Residence			
	Nevada Total	Clark	Washoe	All Other Counties
Total				
Mortality	810	556	125	129
Rate*	8.7	8.8	7.6	9.4
95% C.I.	(8.1-9.3)	(8.1-9.6)	(6.3-9.0)	(7.8-11.0)
Age Group				
<1	0	0	0	0
Rate*	---	---	---	---
95% C.I.	---	---	---	---
1-4	0	0	0	0
Rate*	---	---	---	---
95% C.I.	---	---	---	---
5-14	0	0	0	0
Rate*	---	---	---	---
95% C.I.	---	---	---	---
15-24	1	1	0	0
Rate*	---	---	---	---
95% C.I.	---	---	---	---
25-34	2	1	1	0
Rate*	---	---	---	---
95% C.I.	---	---	---	---
35-44	7	6	1	0
Rate*	---	---	---	---
95% C.I.	---	---	---	---
45-54	76	59	10	7
Rate*	6.3	7.4	4.5	---
95% C.I.	(4.9-7.7)	(5.5-9.3)	(1.7-7.2)	---
55-64	169	122	23	24
Rate*	19.6	21.0	16.3	17.4
95% C.I.	(16.7-22.6)	(17.3-24.7)	(9.6-22.9)	(10.4-24.4)
65-74	280	184	42	54
Rate*	45.2	44.4	41.6	51.7
95% C.I.	(39.9-50.5)	(38.0-50.8)	(29.0-54.2)	(37.9-65.5)
75-84	210	141	36	33
Rate*	64.1	65.2	65.4	58.4
95% C.I.	(55.4-72.7)	(54.4-76.0)	(44.0-86.8)	(38.5-78.4)
85+	65	42	12	11
Rate*	92.3	98.0	83.2	83.4
95% C.I.	(69.8-114.7)	(68.4-127.7)	(36.1-130.3)	(34.1-132.6)
Unknown	0	0	0	0

* Rates are per 100,000 age-specific population.

Note: The "—" is used for rates calculated on numbers less than ten.

Table 249. Pancreatic Cancer Mortality by County of Residence, Nevada Residents, 1996-2000

County of Residence	1996-2000 Mortality				
	Cases	Rate*		Age-Adjusted Rate**	
		Rate	95% C.I.	Rate	95% C.I.
Carson City	32	13.1	(8.5-17.6)	10.8	(7.4-15.5)
Churchill	10	8.5	(3.2-13.7)	8.9	(4.3-17.2)
Clark	556	8.8	(8.1-9.6)	10.3	(9.5-11.3)
Douglas	17	8.5	(4.5-12.5)	7.1	(4.0-12.5)
Elko	11	4.8	(2.0-7.6)	9.9	(4.6-19.3)
Esmeralda	0	---	---	---	---
Eureka	1	---	---	---	---
Humboldt	6	---	---	---	---
Lander	2	---	---	---	---
Lincoln	2	---	---	---	---
Lyon	15	9.3	(4.6-14.0)	8.7	(4.7-15.2)
Mineral	3	---	---	---	---
Nye	20	13.5	(7.6-19.4)	8.8	(5.3-15.3)
Pershing	2	---	---	---	---
Storey	2	---	---	---	---
Washoe	125	7.6	(6.3-9.0)	9.1	(7.6-10.9)
White Pine	6	---	---	---	---
Unknown	0	---	---	---	---
Total	810	8.7	(8.1-9.3)	10.0	(9.3-10.7)

Note: The “---“ is used for rates calculated on numbers less than ten. *Rates are per 100,000 population. **Rates are per 100,000 population and are age-adjusted to the 2000 US Standard population.

Table 250. Pancreatic Cancer Mortality by Race/Ethnicity and Gender, Nevada Residents, 1996-2000

Race/Ethnicity	Gender			
	Male	Female	Total	
White	Mortality	364	336	700
	Rate*	11.1	9.3	10.1
	95% C.I.	(9.9-12.5)	(8.3-10.3)	(9.4-11.0)
Black	Mortality	28	23	51
	Rate*	13.7	11.9	13.3
	95% C.I.	(9.0-23.0)	(7.4-18.6)	(9.7-18.2)
Native American	Mortality	4	2	6
	Rate*	---	---	---
	95% C.I.	---	---	---
Asian	Mortality	3	13	16
	Rate*	---	7.8	5.2
	95% C.I.	---	(3.9-18.7)	(2.8-11.4)
Hispanic	Mortality	20	16	36
	Rate*	13.2	6.0	8.4
	95% C.I.	(6.7-24.3)	(3.2-10.9)	(5.5-12.7)
Other/Unknown	Mortality	1	0	1
	Rate*	---	---	---
	95% C.I.	---	---	---
Total	Mortality	420	390	810
	Rate*	11.0	9.1	10.0
	95% C.I.	(9.9-12.3)	(8.2-10.1)	(9.3-10.7)

Note: The “---“ is used for rates calculated on numbers less than ten. *Rates are per 100,000 population and are age-adjusted to the 2000 US Standard population.

Table 251. Pancreatic Cancer Mortality by Age Group and Gender, Nevada Residents, 1996-2000

Age Group	Gender		
	Male	Female	Total
<1	0	0	0
Rate*	---	---	---
95% C.I.	---	---	---
1-4	0	0	0
Rate*	---	---	---
95% C.I.	---	---	---
5-14	0	0	0
Rate*	---	---	---
95% C.I.	---	---	---
15-24	1	0	1
Rate*	---	---	---
95% C.I.	---	---	---
25-34	0	2	2
Rate*	---	---	---
95% C.I.	---	---	---
35-44	3	4	7
Rate*	---	---	---
95% C.I.	---	---	---
45-54	49	27	76
Rate*	8.0	4.5	6.3
95% C.I.	(5.8-10.2)	(2.8-6.2)	(4.9-7.7)
55-64	92	77	169
Rate*	21.5	17.8	19.6
95% C.I.	(17.1-25.8)	(13.8-21.8)	(16.7-22.6)
65-74	161	119	280
Rate*	52.7	37.9	45.2
95% C.I.	(44.5-60.8)	(31.1-44.7)	(39.9-50.5)
75-84	87	123	210
Rate*	59.0	68.2	64.1
95% C.I.	(46.6-71.4)	(56.2-80.3)	(55.4-72.7)
85+	27	38	65
Rate*	119.1	79.5	92.3
95% C.I.	(74.2-164.0)	(54.2-104.8)	(69.8-114.7)
Unknown	0	0	0
Total	420	390	810
Rate*	8.9	8.5	8.7
95% C.I.	(8.0-9.7)	(7.7-9.4)	(8.1-9.3)

* Rates are per 100,000 age-specific population.

Note: The "---" is used for rates calculated on numbers less than ten.

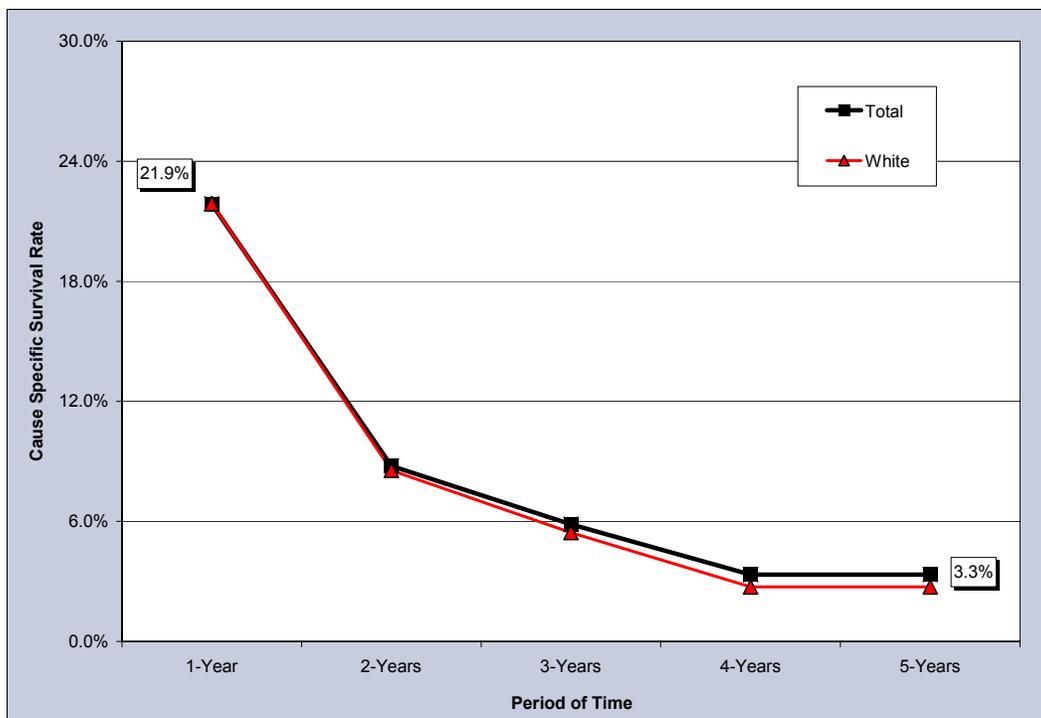
Table 252. Median Age at Death from Pancreatic Cancer by Race/Ethnicity and Gender, Nevada Residents, 1996-2000

Race/Ethnicity	Gender					
	Male		Female		Total	
	Deaths	Median Age	Deaths	Median Age	Deaths	Median Age
White	364	70.0	336	72.0	700	70.0
Black	28	67.0	23	69.0	51	68.0
Native American	4	---	2	---	6	67.5
Asian	3	---	13	68.0	16	67.0
Hispanic	20	65.0	16	69.5	36	67.0
Other/Unknown	1	---	0	---	1	---
Total	420	69.0	390	71.0	810	70.0

Note: Those cases of other/unknown gender and/or unknown ages are not included in this table. The median age was not calculated for those numbers less than five.

SURVIVAL RATE

Figure 164. Survival Rates for Pancreatic Cancer by Race/Ethnicity, Nevada Residents, 1996-2000



Notes: The survival rate for those racial/ethnic groups not included in this chart could not be calculated due to small cell size.

Figure 165. Survival Rates for Pancreatic Cancer by Stage of Cancer at Diagnosis, Nevada Residents, 1996-2000

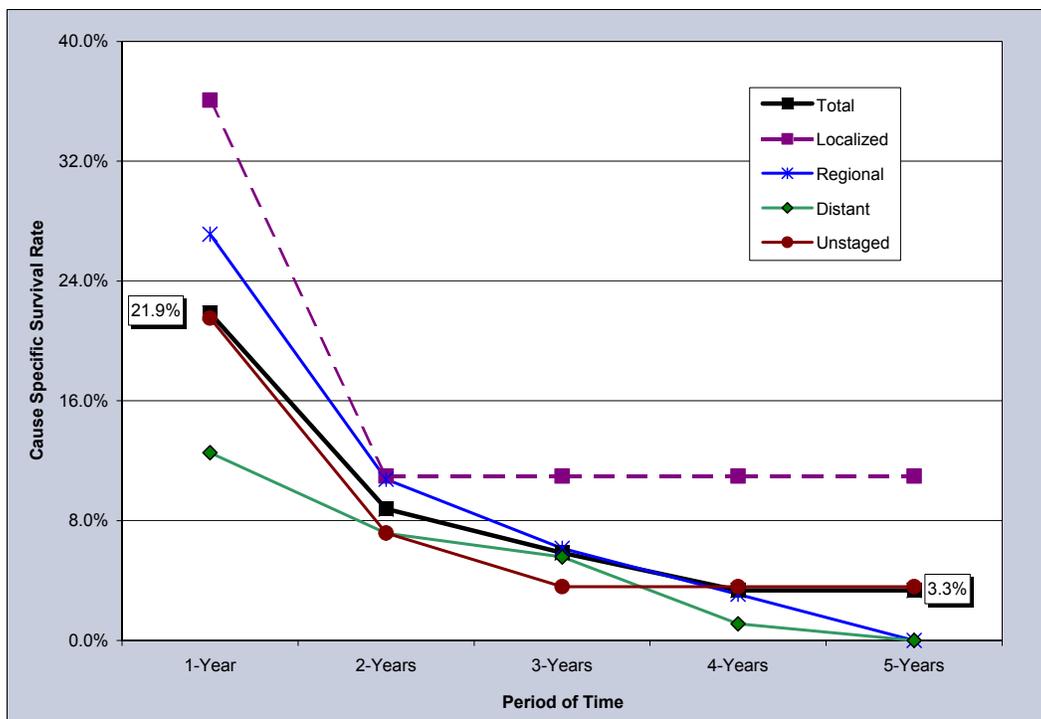


Table 253. Cause-Specific Survival Rates for Pancreatic Cancer by Race/Ethnicity and Gender, Nevada Residents, 1996-2000

Race/ Ethnicity and Gender	Number of Cases	Cause Specific Survival Rate					Median Survival Time (years)
		One Year	Two Years	Three Years	Four Years	Five Years	
Total	584	21.9%	8.8%	5.9%	3.3%	3.3%	0.64
Male	308	21.7%	8.0%	5.7%	5.7%	5.7%	0.64
Female	276	22.1%	9.6%	6.1%	2.0%	---	0.64
Race/Ethnicity							
White	495	21.9%	8.6%	5.4%	2.7%	2.7%	0.64
Male	258	21.0%	7.2%	4.6%	4.6%	4.6%	0.63
Female	237	22.9%	10.0%	6.4%	2.1%	---	0.65
Black	50	20.9%	2.3%	---	---	---	0.63
Male	27	---	---	---	---	---	---
Female	23	---	---	---	---	---	---
Native American	2	---	---	---	---	---	---
Male	1	---	---	---	---	---	---
Female	1	---	---	---	---	---	---
Asian	15	---	---	---	---	---	---
Male	6	---	---	---	---	---	---
Female	9	---	---	---	---	---	---
Hispanic	21	---	---	---	---	---	---
Male	16	---	---	---	---	---	---
Female	5	---	---	---	---	---	---

Notes: 1) The “---“ indicates that survival rate could not be calculated due to small cell size. Caution should be used when interpreting survival rates based upon categories with a small number of cases. 2) Those cases where the gender and/or race/ethnicity were other/unknown, are not shown separately, but are included in the category totals. 3) These rates may not be directly comparable to National rates because of different methodologies. Caution should be used when trying to compare rates for Nevada and the Nation. For more information on the calculation of survival rates, please refer to Technical Notes section.

Table 254. Cause-Specific Survival Rates for Pancreatic Cancer by Stage of Cancer at Diagnosis and Gender, Nevada Residents, 1996-2000

Survival Rate of Stage at Diagnosis		Gender		
		Total	Male	Female
Total	Cases	584	308	276
	One Year	21.9%	21.7%	22.1%
	5 Years	3.3%	5.7%	0.0%
	Median Survival	0.64	0.64	0.64
Stage at Diagnosis				
In situ	Cases	0	0	0
	One Year	---	---	---
	5 Years	---	---	---
	Median Survival	---	---	---
Localized	Cases	54	32	22
	One Year	36.1%	34.5%	38.5%
	5 Years	11.0%	8.0%	0.0%
	Median Survival	0.78	0.76	0.81
Regional	Cases	196	106	90
	One Year	27.1%	24.8%	30.1%
	5 Years	0.0%	0.0%	0.0%
	Median Survival	0.69	0.66	0.71
Distant	Cases	176	87	89
	One Year	12.5%	13.6%	11.5%
	5 Years	0.0%	0.0%	0.0%
	Median Survival	0.57	0.58	0.56
Unstaged	Cases	158	83	75
	One Year	21.5%	21.6%	21.4%
	5 Years	3.6%	8.2%	0.0%
	Median Survival	0.64	0.64	0.64

Notes: 1) The “---“ indicates that survival rate could not be calculated due to small cell size. Caution should be used when interpreting survival rates based upon categories with a small number of cases. 2) These rates may not be directly comparable to National rates because of different methodologies. Caution should be used when trying to compare rates for Nevada and the Nation. For more information on the calculation of survival rates, please refer to Technical Notes section.

ALL OTHER CANCERS

ALL OTHER CANCERS

Table 255. Cancer Incidence, Inpatient Hospital Discharges and Mortality by Type of Cancer, Nevada Residents, 1996-2000

Type of Cancer	Incidence	Hospital Admissions	Mortality
Total	38,261	32,109	16,806
Rate*	449.2	372.2	207.6
95% C.I.	(444.6-453.9)	(368.1-376.4)	(204.4-210.9)
Skin	875	71	249
Rate*	9.8	0.8	2.9
95% C.I.	(9.2-10.5)	(0.6-1.1)	(2.5-3.3)
Corpus Uteri & Uterus NOS	850	853	131
Rate*	18.8	18.8	3.1
95% C.I.	(17.6-20.1)	(17.6-20.2)	(2.6-3.6)
Ovary	741	635	361
Rate*	16.6	14.1	8.3
95% C.I.	(15.4-17.8)	(13.0-15.2)	(7.5-9.3)
Thyroid Gland	563	750	29
Rate*	6.0	8.0	0.4
95% C.I.	(5.6-6.6)	(7.4-8.6)	(0.2-0.5)
Brain and Other Central Nervous System	560	728	320
Rate*	6.4	8.1	3.7
95% C.I.	(5.9-7.0)	(7.5-8.7)	(3.3-4.2)
Stomach	544	571	326
Rate*	6.8	6.9	4.2
95% C.I.	(6.3-7.5)	(6.3-7.5)	(3.7-4.7)
Liver and Intrahepatic Bile Ducts	501	338	388
Rate*	5.9	3.9	4.7
95% C.I.	(5.4-6.5)	(3.5-4.3)	(4.3-5.3)
Cervix Uteri	497	611	133
Rate*	10.9	13.3	3.0
95% C.I.	(9.9-11.9)	(12.3-14.4)	(2.5-3.6)
Esophagus	444	293	368
Rate*	5.2	3.4	4.3
95% C.I.	(4.7-5.7)	(3.0-3.8)	(3.8-4.7)
Larynx	371	226	136
Rate*	4.3	2.5	1.6
95% C.I.	(3.8-4.7)	(2.2-2.9)	(1.4-1.9)
Multiple Myeloma	337	320	229
Rate*	4.0	3.7	2.8
95% C.I.	(3.6-4.5)	(3.3-4.1)	(2.4-3.2)
Hodgkin's Lymphoma	187	116	39
Rate*	2.0	1.2	0.4
95% C.I.	(1.7-2.3)	(1.0-1.5)	(0.3-0.6)
All Other Sites	3,145	7,626	2,015
Rate*	37.8	88.4	25.5
95% C.I.	(36.4-39.1)	(86.4-90.5)	(24.3-26.7)

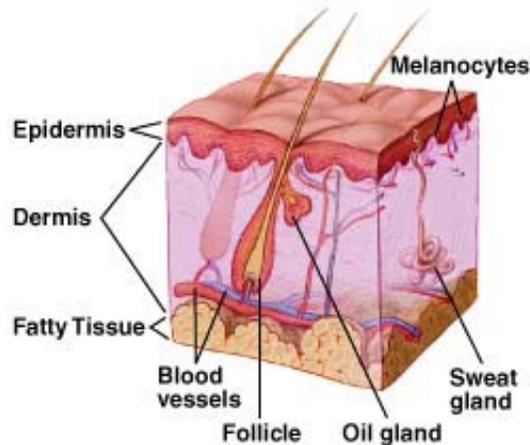
* Rates are per 100,000 population and age-adjusted to the 2000 US Standard population. Gender-specific cancers are per 100,000 gender-specific population and age-adjusted to the 2000 US Standard population.

Note: The "----" is used for rates calculated on numbers less than ten.

SKIN CANCER

GENERAL PROFILE⁴

Figure 166. Anatomy of the Skin⁴



General Anatomy: The skin is the body's largest organ. It protects against heat, sunlight, injury, and infection. It helps regulate body temperature, stores water and fat, and produces vitamin D. The skin has two main layers: the outer epidermis and the inner dermis. The epidermis is mostly made up of flat, scalelike cells called squamous cells. Round cells called basal cells lie under the squamous cells in the epidermis. The lower part of the epidermis also contains melanocytes. The dermis contains blood vessels, lymph vessels, hair follicles, and glands. Some of these glands produce sweat, which helps regulate body temperature. Other glands produce sebum, an oily substance that helps keep the skin from drying out. Sweat and sebum reach the skin's surface through tiny openings called pores. Melanoma is one of the most common cancers and occurs when melanocytes (pigment cells) become malignant.

Risk Factors: Dysplastic nevi moles, many (more than 50) ordinary moles, fair skin, personal history of melanoma or skin cancer, family history of melanoma, weakened immune system, severe, blistering sunburns, and ultraviolet (UV) radiation.

Signs and Symptoms: Asymmetrical, border, color, and diameter changes in a mole, and Dysplastic Nevi moles are common signs and symptoms.

Diagnosing the Cancer: Excisional biopsy.

Treatment: Treatment options include: surgery (Sentinel lymph node biopsy, Lymph node dissection), chemotherapy (Orally or injection or Isolated limb perfusion), biological therapy, or radiation therapy.

Table 256. Skin Cancer Cases by Age Group and County/Region of Residence at Diagnosis, Nevada Residents (1996-2000) and SEER-11 (1995-1999)

Category	County/Region of Residence					SEER 11 (1995-1999)
	Nevada Total	Clark	Washoe	All Other Counties	Unknown	
Total						
Cases	875	538	183	154	0	28,292
Rate*	9.4	8.5	11.2	11.2	---	15.3
95% C.I.	(8.8-10.0)	(7.8-9.3)	(9.6-12.8)	(9.5-13.0)	---	(15.1-15.5)
Age Group						
<1	0	0	0	0	0	---
Rate*	---	---	---	---	---	---
95% C.I.	---	---	---	---	---	---
1-4	0	0	0	0	0	6
Rate*	---	---	---	---	---	---
95% C.I.	---	---	---	---	---	---
5-14	1	0	0	1	0	51
Rate*	---	---	---	---	---	0.2
95% C.I.	---	---	---	---	---	(0.1-0.2)
15-24	22	13	4	5	0	631
Rate*	1.7	1.5	---	---	---	2.4
95% C.I.	(1.0-2.4)	(0.7-2.3)	---	---	---	(2.3-2.6)
25-34	70	51	12	7	0	2,327
Rate*	4.9	5.0	4.8	---	---	8.0
95% C.I.	(3.7-6.0)	(3.6-6.4)	(2.1-7.4)	---	---	(7.6-8.3)
35-44	122	57	39	26	0	4,568
Rate*	8.2	5.8	14.0	11.5	---	14.6
95% C.I.	(6.7-9.6)	(4.3-7.2)	(9.6-18.5)	(7.1-15.9)	---	(14.2-15.0)
45-54	161	87	41	33	0	5,493
Rate*	13.3	11.0	18.3	17.2	---	24.0
95% C.I.	(11.3-15.4)	(8.7-13.3)	(12.7-23.8)	(11.3-23.0)	---	(23.4-24.6)
55-64	176	117	35	24	0	4,750
Rate*	20.4	20.1	24.7	17.4	---	33.9
95% C.I.	(17.4-23.5)	(16.5-23.8)	(16.5-32.9)	(10.4-24.4)	---	(33.0-34.9)
65-74	187	122	30	35	0	5,292
Rate*	30.2	29.4	29.7	33.5	---	45.9
95% C.I.	(25.8-34.5)	(24.2-34.7)	(19.1-40.4)	(22.4-44.6)	---	(44.6-47.1)
75-84	119	80	21	18	0	3,878
Rate*	36.3	37.0	38.2	31.9	---	53.4
95% C.I.	(29.8-42.8)	(28.9-45.1)	(21.8-54.5)	(17.1-46.6)	---	(51.7-55.0)
85+	16	10	1	5	0	1,292
Rate*	22.7	23.3	---	---	---	52.1
95% C.I.	(11.6-33.8)	(8.9-37.8)	---	---	---	(49.3-54.9)
Unknown	1	1	0	0	0	0

* Rates are per 100,000 age-specific population.

Note: The “---” is used for rates calculated on numbers less than ten and SEER numbers less than five. See Technical Notes for more information.

Table 257. Skin Cancer Inpatient Discharges by Gender, Charges, Length of Stay, and County/Region of Residence, Nevada Residents, 1996-2000

Category	County/Region of Residence				
	Nevada Total	Clark	Washoe	All Other Counties	Unknown
Total					
Discharges	71	52	8	11	0
Rate*	0.8	0.9	---	0.7	---
95% C.I.	(0.6-1.1)	(0.7-1.3)	---	(0.4-1.4)	---
Gender					
Male	42	26	6	10	0
Rate*	1.1	1.1	---	1.3	---
95% C.I.	(0.7-1.6)	(0.7-1.8)	---	(0.6-2.8)	---
Female	29	26	2	1	0
Rate*	0.6	0.9	---	---	---
95% C.I.	(0.4-0.9)	(0.6-1.3)	---	---	---
Other/Unknown	0	0	0	0	0
Inpatient Discharge Charges (\$)					
Total Charges	\$968,720	\$747,948	\$82,084	\$138,688	---
Average Charges	\$13,644	\$14,384	\$10,261	\$12,608	---
Median Charges	\$11,084	\$11,139	\$9,973	\$11,084	---
Discharge Length of Stay (LOS) (Days)					
Total LOS	238	190	29	19	---
Average LOS	3.4	3.7	3.6	1.7	---
Median LOS	2.0	3.0	3.5	1.0	---

* Rates are per 100,000 population and are age-adjusted to the 2000 US Standard population.

Note: The "---" is used for rates calculated on numbers less than ten. Caution should be used when comparing inpatient hospital discharge data to other data sources, since it is occurrence-based data. Please see Technical Notes for more information.

Table 258. Skin Cancer Mortality by Age Group and County/Region of Residence, Nevada Residents, 1996-2000

Category	County/Region of Residence			
	Nevada Total	Clark	Washoe	All Other Counties
Total				
Mortality	249	166	35	48
Rate*	2.7	2.6	2.1	3.5
95% C.I.	(2.3-3.0)	(2.2-3.0)	(1.4-2.8)	(2.5-4.5)
Age Group				
<1	0	0	0	0
Rate*	---	---	---	---
95% C.I.	---	---	---	---
1-4	0	0	0	0
Rate*	---	---	---	---
95% C.I.	---	---	---	---
5-14	0	0	0	0
Rate*	---	---	---	---
95% C.I.	---	---	---	---
15-24	1	1	0	0
Rate*	---	---	---	---
95% C.I.	---	---	---	---
25-34	5	4	1	0
Rate*	---	---	---	---
95% C.I.	---	---	---	---
35-44	28	17	7	4
Rate*	1.9	1.7	---	---
95% C.I.	(1.2-2.6)	(0.9-2.5)	---	---
45-54	41	26	7	8
Rate*	3.4	3.3	---	---
95% C.I.	(2.4-4.4)	(2.0-4.5)	---	---
55-64	53	36	5	12
Rate*	6.2	6.2	---	8.7
95% C.I.	(4.5-7.8)	(4.2-8.2)	---	(3.8-13.6)
65-74	72	49	9	14
Rate*	11.6	11.8	---	13.4
95% C.I.	(8.9-14.3)	(8.5-15.1)	---	(6.4-20.4)
75-84	41	29	6	6
Rate*	12.5	13.4	---	---
95% C.I.	(8.7-16.3)	(8.5-18.3)	---	---
85+	8	4	0	4
Rate*	---	---	---	---
95% C.I.	---	---	---	---
Unknown	0	0	0	0

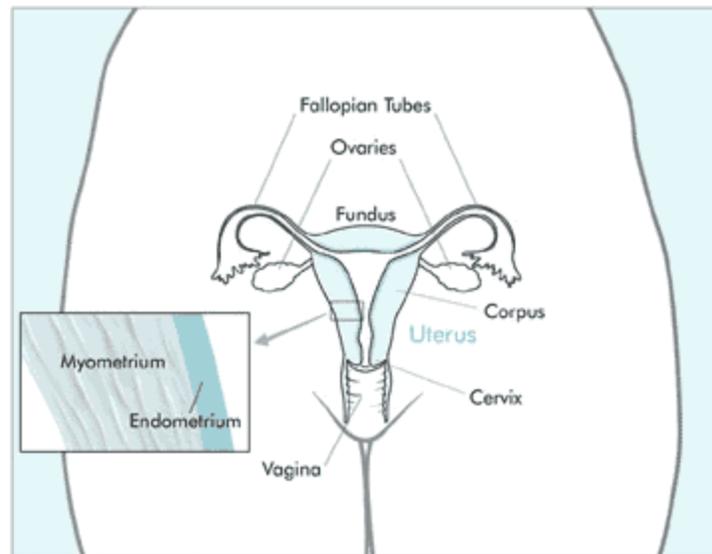
* Rates are per 100,000 age-specific population.

Note: The "—" is used for rates calculated on numbers less than ten.

UTERINE CANCER

GENERAL PROFILE⁴

Figure 167. Anatomical Drawing of Female Reproductive System⁴



General Anatomy: The uterus is part of a woman's reproductive system. It is the hollow, pear-shaped organ where a baby grows. The uterus is in the pelvis between the bladder and the rectum. The narrow, lower portion of the uterus is the cervix. The broad, middle part of the uterus is the body, or corpus. The dome-shaped top of the uterus is the fundus. The fallopian tubes extend from either side of the top of the uterus to the ovaries.

The wall of the uterus has two layers of tissue. The inner layer, or lining, is the endometrium. The outer layer is muscle tissue called the myometrium. In women of childbearing age, the lining of the uterus grows and thickens each month to prepare for pregnancy. If a woman does not become pregnant, the thick, bloody lining flows out of the body through the vagina. This flow is called menstruation.

Risk Factors: Age (Women over 50), Endometrial hyperplasia, Hormone replacement therapy (HRT), Obesity and related conditions, Women taking the drug Tamoxifen, Race (White Females), and Inherited form of Colorectal Cancer.

Signs and Symptoms: Unusual vaginal bleeding or discharge, difficult or painful urination, pain during intercourse, and pain in the pelvic area.

Diagnosing the Cancer: Pelvic exam, Pap test, transvaginal ultrasound, and biopsy.

Treatment: Treatment options include: surgery (Hysterectomy), radiation therapy and hormonal therapy.

Table 259. Uterine Cancer Cases by Age Group and County/Region of Residence at Diagnosis, Nevada Residents (1996-2000) and SEER-11 (1995-1999)

Category	County/Region of Residence					
	Nevada Total	Clark	Washoe	All Other Counties	Unknown	SEER 11 (1995-1999)
Total						
Cases	850	592	139	119	0	22,634
Rate*	18.6	19.1	17.2	17.7	---	24.1
95% C.I.	(17.3-19.8)	(17.6-20.7)	(14.4-20.1)	(14.5-20.9)	---	(23.8-24.4)
Age Group						
<1	0	0	0	0	0	---
Rate*	---	---	---	---	---	---
95% C.I.	---	---	---	---	---	---
1-4	0	0	0	0	0	---
Rate*	---	---	---	---	---	---
95% C.I.	---	---	---	---	---	---
5-14	0	0	0	0	0	---
Rate*	---	---	---	---	---	---
95% C.I.	---	---	---	---	---	---
15-24	1	1	0	0	0	16
Rate*	---	---	---	---	---	0.1
95% C.I.	---	---	---	---	---	(0.1-0.2)
25-34	20	17	2	1	0	302
Rate*	2.9	3.5	---	---	---	2.1
95% C.I.	(1.6-4.2)	(1.8-5.1)	---	---	---	(1.8-2.3)
35-44	47	35	5	7	0	1,374
Rate*	6.5	7.4	---	---	---	8.8
95% C.I.	(4.6-8.4)	(4.9-9.8)	---	---	---	(8.3-9.2)
45-54	153	105	29	19	0	3,924
Rate*	25.6	26.7	26.4	20.2	---	33.8
95% C.I.	(21.6-29.7)	(21.6-31.8)	(16.8-36.1)	(11.1-29.3)	---	(32.7-34.8)
55-64	208	152	34	22	0	5,573
Rate*	48.1	51.5	48.8	32.7	---	76.5
95% C.I.	(41.6-54.7)	(43.3-59.7)	(32.4-65.2)	(19.0-46.3)	---	(74.5-78.5)
65-74	252	174	38	40	0	5,979
Rate*	80.2	82.9	73.0	76.5	---	93.7
95% C.I.	(70.3-90.1)	(70.6-95.2)	(49.8-96.3)	(52.8-100.2)	---	(91.3-96.0)
75-84	146	95	26	25	0	4,276
Rate*	81.0	80.3	82.6	81.9	---	97.8
95% C.I.	(67.8-94.1)	(64.2-96.5)	(50.9-114.4)	(49.8-113.9)	---	(94.9-100.8)
85+	23	13	5	5	0	1,188
Rate*	48.1	44.3	---	---	---	68.3
95% C.I.	(28.5-67.8)	(20.2-68.4)	---	---	---	(64.4-72.2)
Unknown	0	0	0	0	0	0

* Rates are per 100,000 age-specific female population.

Note: The "----" is used for rates calculated on numbers less than ten and SEER numbers less than five. See Technical Notes for more information.

Table 260. Uterine Cancer Inpatient Discharges by Gender, Charges, Length of Stay, and County/Region of Residence, Nevada Residents, 1996-2000

Category	County/Region of Residence				
	Nevada Total	Clark	Washoe	All Other Counties	Unknown
Total					
Discharges	853	613	127	113	0
Rate*	9.7	10.5	8.4	8.0	---
95% C.I.	(9.1-10.4)	(9.7-11.4)	(7.0-10.1)	(6.6-9.7)	---
Gender					
Male	0	0	0	0	0
Rate*	---	---	---	---	---
95% C.I.	---	---	---	---	---
Female	853	613	127	113	0
Rate*	18.8	20.3	16.3	15.6	---
95% C.I.	(17.6-20.2)	(18.7-22.0)	(13.6-19.4)	(12.9-18.8)	---
Other/Unknown	0	0	0	0	0
Inpatient Discharge Charges (\$)					
Total Charges	\$17,544,696	\$12,570,807	\$2,803,900	\$2,169,989	---
Average Charges	\$20,568	\$20,507	\$22,078	\$19,203	---
Median Charges	\$15,534	\$15,534	\$18,436	\$13,783	---
Discharge Length of Stay (LOS) (Days)					
Total LOS	3,738	2,735	545	458	---
Average LOS	4.4	4.5	4.3	4.1	---
Median LOS	3.0	3.0	3.0	3.0	---

* Rates are per 100,000 population and are age-adjusted to the 2000 US Standard population.

Note: The "---" is used for rates calculated on numbers less than ten. Caution should be used when comparing inpatient hospital discharge data to other data sources, since it is occurrence-based data. Please see Technical Notes for more information.

Table 261. Uterine Cancer Mortality by Age Group and County/Region of Residence, Nevada Residents, 1996-2000

Category	County/Region of Residence			
	Nevada Total	Clark	Washoe	All Other Counties
Total				
Cases	131	85	28	18
Rate*	2.9	2.7	3.5	2.7
95% C.I.	(2.4-3.4)	(2.2-3.3)	(2.2-4.8)	(1.4-3.9)
Age Group				
<1	0	0	0	0
Rate*	---	---	---	---
95% C.I.	---	---	---	---
1-4	0	0	0	0
Rate*	---	---	---	---
95% C.I.	---	---	---	---
5-14	0	0	0	0
Rate*	---	---	---	---
95% C.I.	---	---	---	---
15-24	0	0	0	0
Rate*	---	---	---	---
95% C.I.	---	---	---	---
25-34	1	1	0	0
Rate*	---	---	---	---
95% C.I.	---	---	---	---
35-44	6	6	0	0
Rate*	---	---	---	---
95% C.I.	---	---	---	---
45-54	15	11	4	0
Rate*	2.5	2.8	---	---
95% C.I.	(1.2-3.8)	(1.1-4.5)	---	---
55-64	22	17	4	1
Rate*	5.1	5.8	---	---
95% C.I.	(3.0-7.2)	(3.0-8.5)	---	---
65-74	37	19	9	9
Rate*	11.8	9.1	---	---
95% C.I.	(8.0-15.6)	(5.0-13.1)	---	---
75-84	37	24	7	6
Rate*	20.5	20.3	---	---
95% C.I.	(13.9-27.1)	(12.2-28.4)	---	---
85+	13	7	4	2
Rate*	27.2	---	---	---
95% C.I.	(12.4-42.0)	---	---	---
Unknown	0	0	0	0

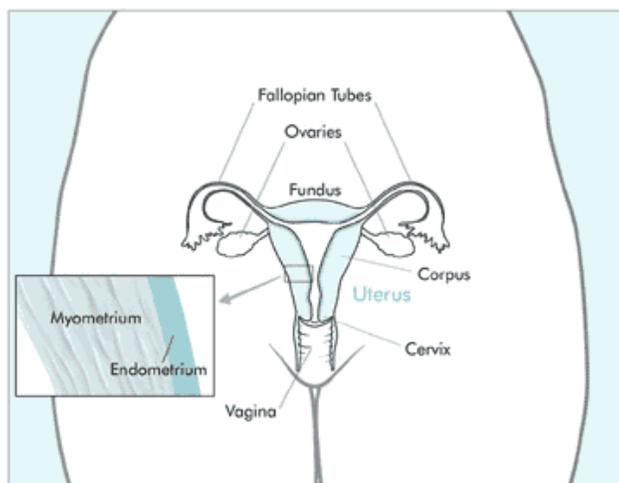
* Rates are per 100,000 age-specific female population.

Note: The "----" is used for rates calculated on numbers less than ten.

OVARIAN CANCER

GENERAL PROFILE⁴

Figure 168. Anatomical Drawing of Female Reproductive System⁴



General Anatomy: The ovaries are a pair of organs in the female reproductive system. They are located in the pelvis, one on each side of the uterus. Each ovary is about the size and shape of an almond. The ovaries have two functions: they produce eggs and female hormones (chemicals that control the way certain cells or organs function).

Every month, during the menstrual cycle, an egg is released from one ovary in a process called ovulation. The egg travels from the ovary through the fallopian tube to the uterus. The ovaries are also the main source of the female hormones estrogen and progesterone, which influence the development of a woman's breasts, body shape, and body hair. They also regulate the menstrual cycle and pregnancy.

Risk Factors: Family History, Age (Women over 50, especially over 60), Women who never had children, Personal history of Breast or Colorectal Cancer, Use of Fertility drugs, Use of Talc, and Hormone replacement therapy (HRT).

Signs and Symptoms: General abdominal discomfort and/or pain (gas, indigestion, pressure, swelling, bloating, cramps), Nausea, diarrhea, constipation, or frequent urination, Loss of appetite, Feeling of fullness even after a light meal, Weight gain or loss with no known reason, and Abnormal bleeding from the vagina.

Diagnosing the Cancer: Pelvic exam, ultrasound, CA-125 assay blood test, lower gastrointestinal (GI) series, or barium enema (Colon and Rectum X-rays), CT (or CAT) scan, and biopsy.

Treatment: Surgery (hysterectomy with bilateral Salpingo-oophorectomy), chemotherapy, radiation therapy, and clinical trials.

Table 262. Ovarian Cancer Cases by Age Group and County/Region of Residence at Diagnosis, Nevada Residents (1996-2000) and SEER-11 (1995-1999)

Category	County/Region of Residence					SEER 11 (1995-1999)
	Nevada Total	Clark	Washoe	All Other Counties	Unknown	
Total						
Cases	741	507	140	94	0	15,611
Rate*	16.2	16.4	17.3	14.0	---	16.6
95% C.I.	(15.0-17.4)	(15.0-17.8)	(14.5-20.2)	(11.1-16.8)	---	(16.3-16.9)
Age Group						
<1	0	0	0	0	0	---
Rate*	---	---	---	---	---	---
95% C.I.	---	---	---	---	---	---
1-4	1	0	0	1	0	5
Rate*	---	---	---	---	---	---
95% C.I.	---	---	---	---	---	---
5-14	1	1	0	0	0	67
Rate*	---	---	---	---	---	0.5
95% C.I.	---	---	---	---	---	(0.4-0.6)
15-24	6	4	0	2	0	328
Rate*	---	---	---	---	---	2.6
95% C.I.	---	---	---	---	---	(2.3-2.9)
25-34	34	24	6	4	0	836
Rate*	4.9	4.9	---	---	---	5.7
95% C.I.	(3.3-6.6)	(3.0-6.9)	---	---	---	(5.4-6.1)
35-44	74	49	16	9	0	1,701
Rate*	10.2	10.3	11.8	---	---	10.8
95% C.I.	(7.9-12.6)	(7.4-13.2)	(6.0-17.5)	---	---	(10.3-11.4)
45-54	123	83	28	12	0	2,962
Rate*	20.6	21.1	25.5	12.8	---	25.5
95% C.I.	(17.0-24.3)	(16.6-25.7)	(16.1-35.0)	(5.5-20.0)	---	(24.6-26.4)
55-64	157	109	24	24	0	2,858
Rate*	36.3	36.9	34.5	35.6	---	39.2
95% C.I.	(30.7-42.0)	(30.0-43.9)	(20.7-48.2)	(21.4-49.9)	---	(37.8-40.7)
65-74	196	135	34	27	0	3,334
Rate*	62.4	64.3	65.4	51.7	---	52.2
95% C.I.	(53.7-71.1)	(53.5-75.2)	(43.4-87.3)	(32.2-71.1)	---	(50.5-54.0)
75-84	113	77	27	9	0	2,603
Rate*	62.7	65.1	85.8	---	---	59.6
95% C.I.	(51.1-74.2)	(50.6-79.6)	(53.5-118.2)	---	---	(57.3-61.8)
85+	36	25	5	6	0	916
Rate*	75.4	85.2	---	---	---	52.7
95% C.I.	(50.7-100.0)	(51.8-118.7)	---	---	---	(49.3-56.1)
Unknown	0	0	0	0	0	0

* Rates are per 100,000 age-specific female population.

Note: The "----" is used for rates calculated on numbers less than ten and SEER numbers less than five. See Technical Notes for more information.

Table 263. Ovarian Cancer Inpatient Discharges by Gender, Charges, Length of Stay, and County/Region of Residence, Nevada Residents, 1996-2000

Category	County/Region of Residence				
	Nevada Total	Clark	Washoe	All Other Counties	Unknown
Total					
Discharges	635	438	128	69	0
Rate*	7.2	7.5	8.5	4.8	---
95% C.I.	(6.7-7.8)	(6.8-8.3)	(7.1-10.2)	(3.7-6.2)	---
Gender					
Male	0	0	0	0	0
Rate*	---	---	---	---	---
95% C.I.	---	---	---	---	---
Female	635	438	128	69	0
Rate*	14.1	14.6	16.4	9.6	---
95% C.I.	(13.0-15.2)	(13.2-16.0)	(13.7-19.6)	(7.4-12.2)	---
Other/Unknown	0	0	0	0	0
Inpatient Discharge Charges (\$)					
Total Charges	\$23,133,925	\$15,619,677	\$5,436,491	\$2,077,757	---
Average Charges	\$36,431	\$35,661	\$42,473	\$30,112	---
Median Charges	\$25,411	\$25,239	\$25,861	\$24,107	---
Discharge Length of Stay (LOS) (Days)					
Total LOS	4,956	3,459	1,086	411	---
Average LOS	7.8	7.9	8.5	6.0	---
Median LOS	6.0	6.0	6.0	5.0	---

* Rates are per 100,000 population and are age-adjusted to the 2000 US Standard population.

Note: The "---" is used for rates calculated on numbers less than ten. Caution should be used when comparing inpatient hospital discharge data to other data sources, since it is occurrence-based data. Please see Technical Notes for more information.

Table 264. Ovarian Cancer Mortality by Age Group and County/Region of Residence, Nevada Residents, 1996-2000

Category	County/Region of Residence			
	Nevada Total	Clark	Washoe	All Other Counties
Total				
Cases	361	259	66	36
Rate*	7.9	8.4	8.2	5.3
95% C.I.	(7.1-8.7)	(7.4-9.4)	(6.2-10.2)	(3.6-7.1)
Age Group				
<1	0	0	0	0
Rate*	---	---	---	---
95% C.I.	---	---	---	---
1-4	0	0	0	0
Rate*	---	---	---	---
95% C.I.	---	---	---	---
5-14	0	0	0	0
Rate*	---	---	---	---
95% C.I.	---	---	---	---
15-24	0	0	0	0
Rate*	---	---	---	---
95% C.I.	---	---	---	---
25-34	2	2	0	0
Rate*	---	---	---	---
95% C.I.	---	---	---	---
35-44	11	8	2	1
Rate*	1.5	---	---	---
95% C.I.	(0.6-2.4)	---	---	---
45-54	54	42	9	3
Rate*	9.0	10.7	---	---
95% C.I.	(6.6-11.5)	(7.5-13.9)	---	---
55-64	65	42	14	9
Rate*	15.0	14.2	20.1	---
95% C.I.	(11.4-18.7)	(9.9-18.5)	(9.6-30.6)	---
65-74	115	83	22	10
Rate*	36.6	39.5	42.3	19.1
95% C.I.	(29.9-43.3)	(31.0-48.1)	(24.6-60.0)	(7.3-31.0)
75-84	80	59	14	7
Rate*	44.4	49.9	44.5	---
95% C.I.	(34.7-54.1)	(37.2-62.6)	(21.2-67.8)	---
85+	34	23	5	6
Rate*	71.2	78.4	---	---
95% C.I.	(47.2-95.1)	(46.4-110.5)	---	---
Unknown	0	0	0	0

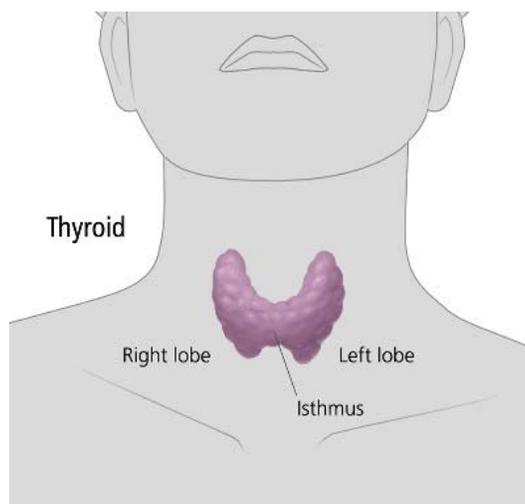
* Rates are per 100,000 age-specific female population.

Note: The "----" is used for rates calculated on numbers less than ten.

THYROID GLAND CANCER

GENERAL PROFILE⁴

Figure 169. Anatomical Drawing of the Thyroid Gland⁴



General Anatomy: The thyroid is a gland in the neck. It has two kinds of cells that make hormones. Follicular cells make thyroid hormone, which affects heart rate, body temperature, and energy level. C cells make calcitonin, a hormone that helps control the level of calcium in the blood. The thyroid is shaped like a butterfly and lies at the front of the neck, beneath the voice box (larynx). It has two parts, or lobes. The two lobes are separated by a thin section called the isthmus. A healthy thyroid is a little larger than a quarter. It usually cannot be felt through the skin. A swollen lobe might look or feel like a lump in the front of the neck. A swollen thyroid is called a goiter. Most goiters are caused by not enough iodine in the diet.

Risk Factors: Exposure to radiation, Family history, Being female, Age (over 40), Race (Whites are more likely to be diagnosed with Thyroid Cancer than Blacks, as a racial/ethnic group,), and not enough iodine in the diet.

Signs and Symptoms: A lump, or nodule, in the front of the neck near the Adam's apple, hoarseness or difficulty speaking in a normal voice, swollen lymph nodes, especially in the neck, difficulty swallowing or breathing, or pain in the throat or neck.

Diagnosing the Cancer: Physical exam, blood tests, ultrasonography, radionuclide scanning, and fine-needle aspiration.

Treatment: surgery (Total thyroidectomy, Lobectomy), radioactive iodine, hormone treatment, external radiation, and chemotherapy.

Table 265. Thyroid Gland Cancer Cases by Age Group and County/Region of Residence at Diagnosis, Nevada Residents (1996-2000) and SEER-11 (1995-1999)

Category	County/Region of Residence					SEER 11 (1995-1999)
	Nevada Total	Clark	Washoe	All Other Counties	Unknown	
Total						
Cases	563	373	113	77	0	11,885
Rate*	6.1	5.9	6.9	5.6	---	6.4
95% C.I.	(5.6-6.6)	(5.3-6.5)	(5.6-8.2)	(4.4-6.9)	---	(6.3-6.5)
Age Group						
<1	0	0	0	0	0	---
Rate*	---	---	---	---	---	---
95% C.I.	---	---	---	---	---	---
1-4	0	0	0	0	0	---
Rate*	---	---	---	---	---	---
95% C.I.	---	---	---	---	---	---
5-14	2	2	0	0	0	68
Rate*	---	---	---	---	---	0.3
95% C.I.	---	---	---	---	---	(0.2-0.3)
15-24	31	20	8	3	0	742
Rate*	2.4	2.3	---	---	---	2.9
95% C.I.	(1.6-3.3)	(1.3-3.3)	---	---	---	(2.7-3.1)
25-34	116	82	23	11	0	2,089
Rate*	8.1	8.0	9.1	6.9	---	7.1
95% C.I.	(6.6-9.6)	(6.3-9.8)	(5.4-12.8)	(2.8-11.0)	---	(6.8-7.4)
35-44	134	80	32	22	0	2,793
Rate*	9.0	8.1	11.5	9.7	---	8.9
95% C.I.	(7.5-10.5)	(6.3-9.8)	(7.5-15.5)	(5.7-13.8)	---	(8.6-9.3)
45-54	133	82	31	20	0	2,495
Rate*	11.0	10.4	13.8	10.4	---	10.9
95% C.I.	(9.1-12.9)	(8.1-12.6)	(8.9-18.7)	(5.8-15.0)	---	(10.5-11.3)
55-64	76	52	12	12	0	1,578
Rate*	8.8	8.9	8.5	8.7	---	11.3
95% C.I.	(6.8-10.8)	(6.5-11.4)	(3.7-13.3)	(3.8-13.6)	---	(10.7-11.8)
65-74	41	32	5	4	0	1,212
Rate*	6.6	7.7	---	---	---	10.5
95% C.I.	(4.6-8.6)	(5.0-10.4)	---	---	---	(9.9-11.1)
75-84	26	21	1	4	0	723
Rate*	7.9	9.7	---	---	---	9.9
95% C.I.	(4.9-11.0)	(5.6-13.9)	---	---	---	(9.2-10.7)
85+	4	2	1	1	0	184
Rate*	---	---	---	---	---	7.4
95% C.I.	---	---	---	---	---	(6.3-8.5)
Unknown	0	0	0	0	0	0

* Rates are per 100,000 age-specific population.

Note: The “---” is used for rates calculated on numbers less than ten and SEER numbers less than five. See Technical Notes for more information.

Table 266. Thyroid Gland Cancer Inpatient Discharges by Gender, Charges, Length of Stay, and County/Region of Residence, Nevada Residents, 1996-2000

Category	County/Region of Residence				
	Nevada Total	Clark	Washoe	All Other Counties	Unknown
Total					
Discharges	750	546	134	70	0
Rate*	8.0	8.7	8.0	5.0	---
95% C.I.	(7.4-8.6)	(7.9-9.4)	(6.7-9.6)	(3.9-6.4)	---
Gender					
Male	167	120	26	21	0
Rate*	3.6	3.9	3.2	2.9	---
95% C.I.	(3.1-4.3)	(3.3-4.8)	(2.0-5.0)	(1.8-4.8)	---
Female	583	426	108	49	0
Rate*	12.6	13.7	13.0	7.2	---
95% C.I.	(11.6-13.7)	(12.4-15.1)	(10.7-15.8)	(5.3-9.6)	---
Other/Unknown	0	0	0	0	0
Inpatient Discharge Charges (\$)					
Total Charges	\$8,268,800	\$5,802,653	\$1,677,976	\$788,171	---
Average Charges	\$11,025	\$10,628	\$12,522	\$11,260	---
Median Charges	\$9,952	\$9,610	\$11,166	\$10,512	---
Discharge Length of Stay (LOS) (Days)					
Total LOS	1,673	1,205	304	164	---
Average LOS	2.2	2.2	2.3	2.3	---
Median LOS	2.0	2.0	2.0	2.0	---

* Rates are per 100,000 population and are age-adjusted to the 2000 US Standard population.

Note: The "---" is used for rates calculated on numbers less than ten. Caution should be used when comparing inpatient hospital discharge data to other data sources, since it is occurrence-based data. Please see Technical Notes for more information.

Table 267. Thyroid Gland Cancer Mortality by Age Group and County/Region of Residence, Nevada Residents, 1996-2000

Category	County/Region of Residence			
	Nevada Total	Clark	Washoe	All Other Counties
Total				
Mortality	29	19	5	5
Rate*	0.3	0.3	0.3	0.4
95% C.I.	(0.2-0.4)	(0.2-0.4)	(0.0-0.6)	(0.0-0.7)
Age Group				
<1	0	0	0	0
Rate*	---	---	---	---
95% C.I.	---	---	---	---
1-4	0	0	0	0
Rate*	---	---	---	---
95% C.I.	---	---	---	---
5-14	0	0	0	0
Rate*	---	---	---	---
95% C.I.	---	---	---	---
15-24	0	0	0	0
Rate*	---	---	---	---
95% C.I.	---	---	---	---
25-34	0	0	0	0
Rate*	---	---	---	---
95% C.I.	---	---	---	---
35-44	0	0	0	0
Rate*	---	---	---	---
95% C.I.	---	---	---	---
45-54	3	3	0	0
Rate*	---	---	---	---
95% C.I.	---	---	---	---
55-64	7	5	1	1
Rate*	---	---	---	---
95% C.I.	---	---	---	---
65-74	7	4	1	2
Rate*	---	---	---	---
95% C.I.	---	---	---	---
75-84	9	6	1	2
Rate*	---	---	---	---
95% C.I.	---	---	---	---
85+	3	1	2	0
Rate*	---	---	---	---
95% C.I.	---	---	---	---
Unknown	0	0	0	0

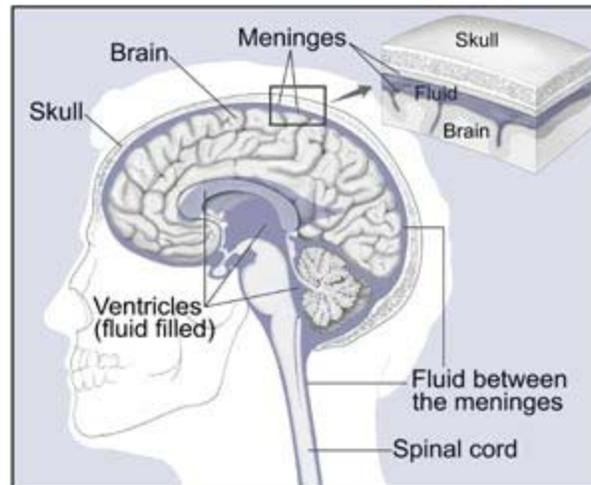
* Rates are per 100,000 age-specific population.

Note: The "—" is used for rates calculated on numbers less than ten.

BRAIN AND OTHER CENTRAL NERVOUS SYSTEM CANCER

GENERAL PROFILE⁴

Figure 170. Anatomical Drawing of the Brain and Nearby Structures⁴



General Anatomy: The brain is a soft, spongy mass of tissue. It is protected by the bones of the skull and three thin membranes called meninges. Watery fluid called cerebrospinal fluid cushions the brain. This fluid flows through spaces between the meninges and through spaces within the brain called ventricles. A network of nerves carries messages back and forth between the brain and the rest of the body. Some nerves go directly from the brain to the eyes, ears, and other parts of the head. Other nerves run through the spinal cord to connect the brain with the other parts of the body. Within the brain and spinal cord, glial cells surround nerve cells and hold them in place.

Risk Factors: Being male, being white, age (over 70 years of age), family history, and exposure to: radiation or certain chemicals: formaldehyde, vinyl chloride, and acrylonitrile.

Signs and Symptoms: Headaches (usually worse in the morning), nausea or vomiting, changes in speech, vision, or hearing, problems balancing or walking, changes in mood, personality, or ability to concentrate, problems with memory, muscle jerking or twitching (seizures or convulsions), and numbness or tingling in the arms or legs.

Diagnosing the Cancer: Physical exam, neurologic exam, computed tomography (CAT) scan, magnetic resonance imaging (MRI), angiogram, skull x-ray, spinal tap, myelogram, and biopsy.

Treatment: surgery (Craniotomy), radiation therapy (Fractionation, Hyperfractionation, Stereotactic, 3-dimensional conformal, and Proton beam), and chemotherapy

Table 268. Brain and Other Central Nervous System Cancer Cases by Age Group and County/Region of Residence at Diagnosis, Nevada Residents (1996-2000) and SEER-11 (1995-1999)

Category	County/Region of Residence					SEER 11 (1995-1999)
	Nevada Total	Clark	Washoe	All Other Counties	Unknown	
Total						
Cases	560	372	91	97	0	11,214
Rate*	6.0	5.9	5.6	7.1	---	6.1
95% C.I.	(5.5-6.5)	(5.3-6.5)	(4.4-6.7)	(5.7-8.5)	---	(5.9-6.2)
Age Group						
<1	3	1	1	1	0	105
Rate*	---	---	---	---	---	3.8
95% C.I.	---	---	---	---	---	(3.1-4.5)
1-4	15	13	1	1	0	403
Rate*	2.7	3.4	---	---	---	3.6
95% C.I.	(1.4-4.1)	(1.6-5.3)	---	---	---	(3.3-4.0)
5-14	35	22	6	7	0	741
Rate*	2.6	2.5	---	---	---	2.8
95% C.I.	(1.8-3.5)	(1.4-3.5)	---	---	---	(2.6-3.0)
15-24	20	11	4	5	0	499
Rate*	1.6	1.3	---	---	---	1.9
95% C.I.	(0.9-2.2)	(0.5-2.0)	---	---	---	(1.8-2.1)
25-34	41	29	6	6	0	868
Rate*	2.9	2.8	---	---	---	3.0
95% C.I.	(2.0-3.7)	(1.8-3.9)	---	---	---	(2.8-3.2)
35-44	55	35	7	13	0	1,264
Rate*	3.7	3.5	---	5.8	---	4.0
95% C.I.	(2.7-4.7)	(2.4-4.7)	---	(2.6-8.9)	---	(3.8-4.3)
45-54	73	48	14	11	0	1,559
Rate*	6.0	6.1	6.2	5.7	---	6.8
95% C.I.	(4.7-7.4)	(4.3-7.8)	(3.0-9.5)	(2.3-9.1)	---	(6.5-7.2)
55-64	105	69	19	17	0	1,749
Rate*	12.2	11.9	13.4	12.3	---	12.5
95% C.I.	(9.9-14.5)	(9.1-14.7)	(7.4-19.5)	(6.5-18.2)	---	(11.9-13.1)
65-74	108	76	13	19	0	2,097
Rate*	17.4	18.3	12.9	18.2	---	18.2
95% C.I.	(14.1-20.7)	(14.2-22.5)	(5.9-19.9)	(10.0-26.4)	---	(17.4-19.0)
75-84	84	54	15	15	0	1,554
Rate*	25.6	25.0	27.3	26.6	---	21.4
95% C.I.	(20.1-31.1)	(18.3-31.6)	(13.5-41.1)	(13.1-40.0)	---	(20.3-22.4)
85+	21	14	5	2	0	375
Rate*	29.8	32.7	---	---	---	15.1
95% C.I.	(17.1-42.6)	(15.6-49.8)	---	---	---	(13.6-16.7)
Unknown	0	0	0	0	0	0

* Rates are per 100,000 age-specific population.

Note: The “---” is used for rates calculated on numbers less than ten and SEER numbers less than five. See Technical Notes for more information.

Table 269. Brain and Other Central Nervous System Cancer Inpatient Discharges by Gender, Charges, Length of Stay, and County/Region of Residence, Nevada Residents, 1996-2000

Category	County/Region of Residence				
	Nevada Total	Clark	Washoe	All Other Counties	Unknown
Total					
Discharges	728	510	115	102	1
Rate*	8.1	8.5	7.5	7.3	---
95% C.I.	(7.5-8.7)	(7.7-9.3)	(6.2-9.1)	(6.0-9.0)	---
Gender					
Male	426	307	58	60	1
Rate*	9.5	10.3	7.3	8.6	---
95% C.I.	(8.6-10.6)	(9.1-11.7)	(5.5-9.8)	(6.5-11.4)	---
Female	302	203	57	42	0
Rate*	6.7	6.7	7.4	6.1	---
95% C.I.	(6.0-7.5)	(5.8-7.7)	(5.6-9.6)	(4.4-8.3)	---
Other/Unknown	0	0	0	0	0
Inpatient Discharge Charges (\$)					
Total Charges	\$25,861,154	\$19,244,597	\$3,538,484	\$3,072,021	\$6,052
Average Charges	\$35,524	\$37,735	\$30,769	\$30,118	\$6,052
Median Charges	\$29,375	\$30,644	\$27,692	\$27,401	\$6,052
Discharge Length of Stay (LOS) (Days)					
Total LOS	5,676	4,178	819	678	1
Average LOS	7.8	8.2	7.1	6.6	1.0
Median LOS	5.0	5.0	5.0	5.0	1.0

* Rates are per 100,000 population and are age-adjusted to the 2000 US Standard population.

Note: The "----" is used for rates calculated on numbers less than ten. Caution should be used when comparing inpatient hospital discharge data to other data sources, since it is occurrence-based data. Please see Technical Notes for more information.

Table 270. Brain and Other Central Nervous System Cancer Mortality by Age Group and County/Region of Residence, Nevada Residents, 1996-2000

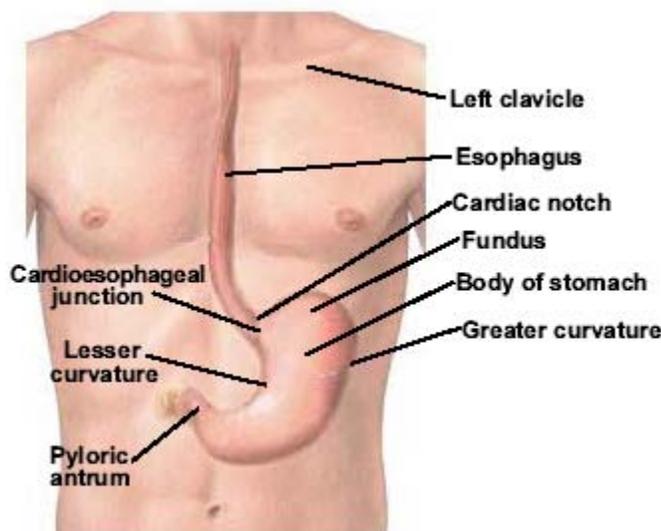
Category	County/Region of Residence			
	Nevada Total	Clark	Washoe	All Other Counties
Total				
Mortality	320	212	53	55
Rate*	3.4	3.4	3.2	4.0
95% C.I.	(3.1-3.8)	(2.9-3.8)	(2.4-4.1)	(3.0-5.1)
Age Group				
<1	0	0	0	0
Rate*	---	---	---	---
95% C.I.	---	---	---	---
1-4	3	3	0	0
Rate*	---	---	---	---
95% C.I.	---	---	---	---
5-14	9	6	2	1
Rate*	---	---	---	---
95% C.I.	---	---	---	---
15-24	3	1	1	1
Rate*	---	---	---	---
95% C.I.	---	---	---	---
25-34	14	12	2	0
Rate*	1.0	1.2	---	---
95% C.I.	(0.5-1.5)	(0.5-1.8)	---	---
35-44	30	21	4	5
Rate*	2.0	2.1	---	---
95% C.I.	(1.3-2.7)	(1.2-3.0)	---	---
45-54	35	24	9	2
Rate*	2.9	3.0	---	---
95% C.I.	(1.9-3.9)	(1.8-4.2)	---	---
55-64	72	52	9	11
Rate*	8.4	8.9	---	8.0
95% C.I.	(6.4-10.3)	(6.5-11.4)	---	(3.3-12.7)
65-74	81	55	10	16
Rate*	13.1	13.3	9.9	15.3
95% C.I.	(10.2-15.9)	(9.8-16.8)	(3.8-16.1)	(7.8-22.8)
75-84	58	32	11	15
Rate*	17.7	14.8	20.0	26.6
95% C.I.	(13.1-22.3)	(9.7-19.9)	(8.2-31.8)	(13.1-40.0)
85+	15	6	5	4
Rate*	21.3	---	---	---
95% C.I.	(10.5-32.1)	---	---	---
Unknown	0	0	0	0

* Rates are per 100,000 age-specific population.
 Note: The “---” is used for rates calculated on numbers less than ten.

STOMACH CANCER

GENERAL PROFILE⁴

Figure 171. Anatomical Drawing of the Esophagus and Stomach⁵



General Anatomy: The stomach is part of the digestive system. It is located in the upper abdomen, under the ribs. The upper part of the stomach connects to the esophagus, and the lower part leads into the small intestine. When food enters the stomach, muscles in the stomach wall create a rippling motion that mixes and mashes the food. At the same time, juices made by glands in the lining of the stomach help digest the food. After about 3 hours, the food becomes a liquid and moves into the small intestine, where digestion continues.

Risk Factors: While the cause of Stomach Cancer is still unknown common some people are more likely to be diagnosed with Stomach Cancer. It is more common in: people over 55 years of age, males, Blacks as a racial/ethnic group, and people who have had stomach surgery or have pernicious anemia, achlorhydria, or gastric atrophy (which generally result in lower than normal amounts of digestive juices) have an increased risk. Stomach Cancer is also more common in parts of the world like Japan, Korea, parts of Eastern Europe, and Latin America than in the United States.

Signs and Symptoms: Indigestion or a burning sensation (heartburn), discomfort or pain in the abdomen, nausea and vomiting, diarrhea or constipation, bloating of the stomach after meals, loss of appetite, weakness and fatigue, and bleeding (vomiting blood or having blood in the stool).

Diagnosing the Cancer: Fecal occult blood test, upper gastrointestinal (GI) x-ray series, and endoscopy are some of the common ways of diagnosing Stomach Cancer.

Treatment: surgery (Gastrectomy), chemotherapy, radiation therapy, and biological therapy.

Table 271. Stomach Cancer Mortality by Age Group and County/Region of Residence at Diagnosis, Nevada Residents, 1996-2000

Category	County/Region of Residence					SEER 11 (1995-1999)
	Nevada Total	Clark	Washoe	All Other Counties	Unknown	
Total						
Cases	544	373	104	67	0	15,187
Rate*	5.8	5.9	6.4	4.9	---	8.2
95% C.I.	(5.4-6.3)	(5.3-6.5)	(5.1-7.6)	(3.7-6.1)	---	(8.1-8.3)
Age Group						
<1	0	0	0	0	0	---
Rate*	---	---	---	---	---	---
95% C.I.	---	---	---	---	---	---
1-4	0	0	0	0	0	---
Rate*	---	---	---	---	---	---
95% C.I.	---	---	---	---	---	---
5-14	0	0	0	0	0	---
Rate*	---	---	---	---	---	---
95% C.I.	---	---	---	---	---	---
15-24	2	1	1	0	0	25
Rate*	---	---	---	---	---	0.1
95% C.I.	---	---	---	---	---	(0.1-0.1)
25-34	6	4	1	1	0	219
Rate*	---	---	---	---	---	0.7
95% C.I.	---	---	---	---	---	(0.6-0.8)
35-44	23	16	4	3	0	748
Rate*	1.5	1.6	---	---	---	2.4
95% C.I.	(0.9-2.2)	(0.8-2.4)	---	---	---	(2.2-2.6)
45-54	52	41	7	4	0	1,434
Rate*	4.3	5.2	---	---	---	6.3
95% C.I.	(3.1-5.5)	(3.6-6.8)	---	---	---	(5.9-6.6)
55-64	102	66	21	15	0	2,387
Rate*	11.8	11.4	14.8	10.9	---	17.0
95% C.I.	(9.5-14.1)	(8.6-14.1)	(8.5-21.2)	(5.4-16.4)	---	(16.4-17.7)
65-74	148	94	36	18	0	4,180
Rate*	23.9	22.7	35.7	17.2	---	36.2
95% C.I.	(20.0-27.7)	(18.1-27.3)	(24.0-47.4)	(9.3-25.2)	---	(35.1-37.3)
75-84	159	112	26	21	0	4,276
Rate*	48.5	51.8	47.2	37.2	---	58.8
95% C.I.	(41.0-56.1)	(42.2-61.4)	(29.1-65.4)	(21.3-53.1)	---	(57.1-60.6)
85+	52	39	8	5	0	1,914
Rate*	73.8	91.0	---	---	---	77.2
95% C.I.	(53.7-93.9)	(62.5-119.6)	---	---	---	(73.7-80.6)
Unknown	0	0	0	0	0	0

* Rates are per 100,000 age-specific population.

Note: The “---” is used for rates calculated on numbers less than ten and SEER numbers less than five. See Technical Notes for more information.

Table 272. Stomach Cancer Inpatient Discharges by Gender, Charges, Length of Stay, and County/Region of Residence, Nevada Residents, 1996-2000

Category	County/Region of Residence				
	Nevada Total	Clark	Washoe	All Other Counties	Unknown
Total					
Discharges	571	410	106	55	0
Rate*	6.9	7.6	7.5	3.9	---
95% C.I.	(6.3-7.5)	(6.8-8.4)	(6.1-9.1)	(2.9-5.2)	---
Gender					
Male	389	279	68	42	0
Rate*	10.2	11.3	10.4	6.2	---
95% C.I.	(9.1-11.4)	(9.9-13.0)	(7.9-13.6)	(4.4-8.7)	---
Female	182	131	38	13	0
Rate*	4.2	4.6	5.0	1.8	---
95% C.I.	(3.6-4.8)	(3.8-5.4)	(3.6-7.0)	(1.0-3.2)	---
Other/Unknown	0	0	0	0	0
Inpatient Discharge Charges (\$)					
Total Charges	\$27,949,044	\$20,978,443	\$4,570,239	\$2,400,362	---
Average Charges	\$48,948	\$51,167	\$43,115	\$43,643	---
Median Charges	\$34,005	\$35,556	\$30,752	\$28,316	---
Discharge Length of Stay (LOS) (Days)					
Total LOS	6,318	4,663	1,089	566	---
Average LOS	11.1	11.4	10.3	10.3	---
Median LOS	9.0	9.0	8.0	9.0	---

* Rates are per 100,000 population and are age-adjusted to the 2000 US Standard population.

Note: The "---" is used for rates calculated on numbers less than ten. Caution should be used when comparing inpatient hospital discharge data to other data sources, since it is occurrence-based data. Please see Technical Notes for more information.

Table 273. Stomach Cancer Mortality by Age Group and County/Region of Residence, Nevada Residents, 1996-2000

Category	County/Region of Residence			
	Nevada Total	Clark	Washoe	All Other Counties
Total				
Mortality	326	232	59	35
Rate*	3.5	3.7	3.6	2.6
95% C.I.	(3.1-3.9)	(3.2-4.2)	(2.7-4.5)	(1.7-3.4)
Age Group				
<1	0	0	0	0
Rate*	---	---	---	---
95% C.I.	---	---	---	---
1-4	0	0	0	0
Rate*	---	---	---	---
95% C.I.	---	---	---	---
5-14	0	0	0	0
Rate*	---	---	---	---
95% C.I.	---	---	---	---
15-24	0	0	0	0
Rate*	---	---	---	---
95% C.I.	---	---	---	---
25-34	2	2	0	0
Rate*	---	---	---	---
95% C.I.	---	---	---	---
35-44	14	11	3	0
Rate*	0.9	1.1	---	---
95% C.I.	(0.4-1.4)	(0.5-1.8)	---	---
45-54	30	25	2	3
Rate*	2.5	3.2	---	---
95% C.I.	(1.6-3.4)	(1.9-4.4)	---	---
55-64	56	41	12	3
Rate*	6.5	7.1	8.5	---
95% C.I.	(4.8-8.2)	(4.9-9.2)	(3.7-13.3)	---
65-74	82	55	14	13
Rate*	13.2	13.3	13.9	12.4
95% C.I.	(10.4-16.1)	(9.8-16.8)	(6.6-21.2)	(5.7-19.2)
75-84	109	76	20	13
Rate*	33.3	35.1	36.3	23.0
95% C.I.	(27.0-39.5)	(27.2-43.0)	(20.4-52.3)	(10.5-35.5)
85+	33	22	8	3
Rate*	46.8	51.4	---	---
95% C.I.	(30.9-62.8)	(29.9-72.8)	---	---
Unknown	0	0	0	0

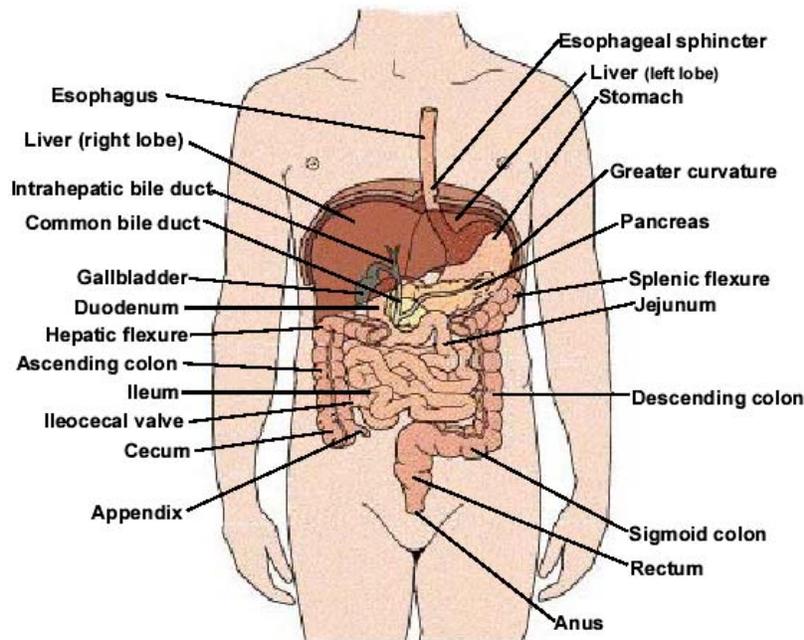
* Rates are per 100,000 age-specific population.

Note: The "—" is used for rates calculated on numbers less than ten.

LIVER AND INTRAHEPATIC BILE DUCTS CANCER

GENERAL PROFILE⁴

Figure 172. Anatomical Drawing of the Digestive System⁵



General Anatomy: The liver is the largest organ in the body. It is found behind the ribs on the right side of the abdomen. The liver has two parts, a right lobe and a smaller left lobe. The liver has many important functions that keep a person healthy. It removes harmful material from the blood. It makes enzymes and bile that help digest food. It also converts food into substances needed for life and growth. The liver gets its supply of blood from two vessels. Most of its blood comes from the hepatic portal vein. The rest comes from the hepatic artery.

Risk Factors: Chronic liver infection (hepatitis), cirrhosis, Aflatoxin (type of mold), being male, family history, and age (over 60 years of age).

Signs and Symptoms: Pain in the upper abdomen on the right side; the pain may extend to the back and shoulder, swollen abdomen (bloating), weight loss, loss of appetite and feelings of fullness, weakness or feeling very tired, nausea and vomiting, yellow skin and eyes and dark urine from jaundice, and fever.

Diagnosing the Cancer: Physical exam, blood tests, computed tomography (CAT) scan, ultrasound test, magnetic resonance imaging (MRI), angiogram, and biopsy.

Treatment: surgery (Hepatectomy, Transplantation), radio frequency ablation, percutaneous ethanol injection, cryosurgery, hepatic arterial infusion, chemoembolization, chemotherapy, and radiation therapy.

Table 274. Liver and Intrahepatic Bile Ducts Cancer Cases by Age Group and County/Region of Residence at Diagnosis, Nevada Residents (1996-2000) and SEER-11 (1995-1999)

Category	County/Region of Residence					SEER 11 (1995-1999)
	Nevada Total	Clark	Washoe	All Other Counties	Unknown	
Total						
Cases	501	360	70	70	1	9,504
Rate*	5.4	5.7	4.3	5.1	---	5.1
95% C.I.	(4.9-5.9)	(5.1-6.3)	(3.3-5.3)	(3.9-6.3)	---	(5.0-5.2)
Age Group						
<1	2	2	0	0	0	30
Rate*	---	---	---	---	---	1.1
95% C.I.	---	---	---	---	---	(0.7-1.5)
1-4	6	3	2	1	0	51
Rate*	---	---	---	---	---	0.5
95% C.I.	---	---	---	---	---	(0.3-0.6)
5-14	1	0	0	1	0	27
Rate*	---	---	---	---	---	0.1
95% C.I.	---	---	---	---	---	(0.1-0.1)
15-24	3	2	1	0	0	45
Rate*	---	---	---	---	---	0.2
95% C.I.	---	---	---	---	---	(0.1-0.2)
25-34	0	0	0	0	0	98
Rate*	---	---	---	---	---	0.3
95% C.I.	---	---	---	---	---	(0.3-0.4)
35-44	21	14	2	5	0	464
Rate*	1.4	1.4	---	---	---	1.5
95% C.I.	(0.8-2.0)	(0.7-2.2)	---	---	---	(1.3-1.6)
45-54	75	62	6	6	1	1,402
Rate*	6.2	7.8	---	---	---	6.1
95% C.I.	(4.8-7.6)	(5.9-9.8)	---	---	---	(5.8-6.4)
55-64	105	76	14	15	0	1,913
Rate*	12.2	13.1	9.9	10.9	---	13.7
95% C.I.	(9.9-14.5)	(10.1-16.0)	(4.7-15.1)	(5.4-16.4)	---	(13.1-14.3)
65-74	154	106	27	21	0	2,662
Rate*	24.8	25.6	26.8	20.1	---	23.1
95% C.I.	(20.9-28.8)	(20.7-30.4)	(16.7-36.9)	(11.5-28.7)	---	(22.2-23.9)
75-84	110	81	13	16	0	2,137
Rate*	33.6	37.5	23.6	28.3	---	29.4
95% C.I.	(27.3-39.8)	(29.3-45.6)	(10.8-36.5)	(14.4-42.2)	---	(28.2-30.6)
85+	24	14	5	5	0	675
Rate*	34.1	32.7	---	---	---	27.2
95% C.I.	(20.4-47.7)	(15.6-49.8)	---	---	---	(25.2-29.3)
Unknown	0	0	0	0	0	0

* Rates are per 100,000 age-specific population.

Note: The “---” is used for rates calculated on numbers less than ten and SEER numbers less than five. See Technical Notes for more information.

Table 275. Liver and Intrahepatic Bile Ducts Cancer Inpatient Discharges by Gender, Charges, Length of Stay, and County/Region of Residence, Nevada Residents, 1996-2000

Category	County/Region of Residence				
	Nevada Total	Clark	Washoe	All Other Counties	Unknown
Total					
Discharges	338	271	41	26	0
Rate*	3.9	4.7	2.9	1.8	---
95% C.I.	(3.5-4.3)	(4.1-5.3)	(2.0-4.0)	(1.2-2.7)	---
Gender					
Male	234	192	24	18	0
Rate*	5.6	6.8	3.9	2.4	---
95% C.I.	(4.8-6.4)	(5.8-8.0)	(2.4-6.3)	(1.4-4.2)	---
Female	104	79	17	8	0
Rate*	2.3	2.7	2.2	---	---
95% C.I.	(1.9-2.8)	(2.1-3.4)	(1.3-3.5)	---	---
Other/Unknown	0	0	0	0	0
Inpatient Discharge Charges (\$)					
Total Charges	\$8,504,961	\$7,505,425	\$642,474	\$357,062	---
Average Charges	\$25,163	\$27,695	\$15,670	\$13,733	---
Median Charges	\$17,071	\$18,867	\$13,155	\$10,258	---
Discharge Length of Stay (LOS) (Days)					
Total LOS	2,308	1,940	263	105	---
Average LOS	6.8	7.2	6.4	4.0	---
Median LOS	5.0	5.0	6.0	3.0	---

* Rates are per 100,000 population and are age-adjusted to the 2000 US Standard population.

Note: The "----" is used for rates calculated on numbers less than ten. Caution should be used when comparing inpatient hospital discharge data to other data sources, since it is occurrence-based data. Please see Technical Notes for more information.

Table 276. Liver and Intrahepatic Bile Ducts Cancer Mortality by Age Group and County/Region of Residence, Nevada Residents, 1996-2000

Category	County/Region of Residence			
	Nevada Total	Clark	Washoe	All Other Counties
Total				
Mortality	388	278	53	57
Rate*	4.2	4.4	3.2	4.2
95% C.I.	(3.8-4.6)	(3.9-4.9)	(2.4-4.1)	(3.1-5.2)
Age Group				
<1	0	0	0	0
Rate*	---	---	---	---
95% C.I.	---	---	---	---
1-4	1	0	0	1
Rate*	---	---	---	---
95% C.I.	---	---	---	---
5-14	1	0	0	1
Rate*	---	---	---	---
95% C.I.	---	---	---	---
15-24	3	2	0	1
Rate*	---	---	---	---
95% C.I.	---	---	---	---
25-34	1	1	0	0
Rate*	---	---	---	---
95% C.I.	---	---	---	---
35-44	8	7	0	1
Rate*	---	---	---	---
95% C.I.	---	---	---	---
45-54	56	48	5	3
Rate*	4.6	6.1	---	---
95% C.I.	(3.4-5.8)	(4.3-7.8)	---	---
55-64	72	50	10	12
Rate*	8.4	8.6	7.1	8.7
95% C.I.	(6.4-10.3)	(6.2-11.0)	(2.7-11.5)	(3.8-13.6)
65-74	126	86	23	17
Rate*	20.3	20.7	22.8	16.3
95% C.I.	(16.8-23.9)	(16.4-25.1)	(13.5-32.1)	(8.5-24.0)
75-84	91	63	11	17
Rate*	27.8	29.1	20.0	30.1
95% C.I.	(22.1-33.5)	(21.9-36.3)	(8.2-31.8)	(15.8-44.4)
85+	29	21	4	4
Rate*	41.2	49.0	---	---
95% C.I.	(26.2-56.1)	(28.1-70.0)	---	---
Unknown	0	0	0	0

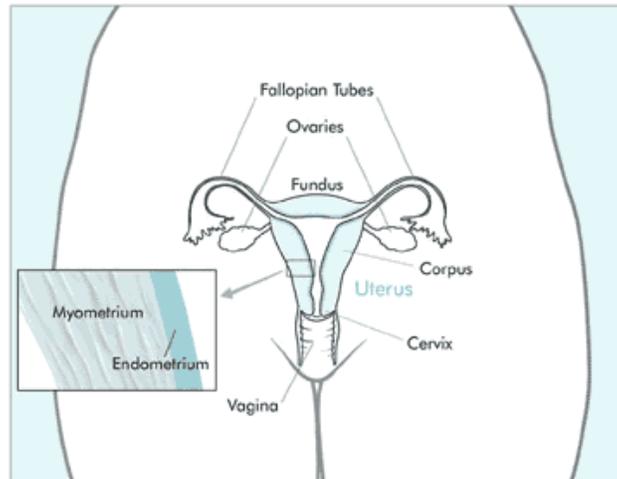
* Rates are per 100,000 age-specific population.

Note: The "—" is used for rates calculated on numbers less than ten.

CERVICAL CANCER

GENERAL PROFILE⁴

Figure 173. Anatomical Drawing of the Female Reproductive System⁴



General Anatomy: The cervix is the lower, narrow part of the uterus (womb). The uterus, a hollow, pear-shaped organ, is located in a woman's lower abdomen, between the bladder and the rectum. The cervix forms a canal that opens into the vagina, which leads to the outside of the body. Cells on the surface of the cervix sometimes appear abnormal but not cancerous. Scientists believe that some abnormal changes in cells on the cervix are the first step in a series of slow changes that can lead to cancer years later. If these changes form abnormal cells that spread deeper into the cervix or to other tissues or organs, the disease is then called cervical cancer, or invasive cervical cancer.

Risk Factors: Researchers believe that, in many cases, cervical cancer develops when two or more risk factors act together. These include: women who began having sexual intercourse before age 18, women who have had many sexual partners, women whose partners began having sexual intercourse at a young age, have had many sexual partners, or were previously married to women who had cervical cancer, some sexually transmitted human papillomaviruses (HPVs), smoking, women whose mothers were given the drug diethylstilbestrol (DES) during pregnancy to prevent miscarriage, weakened immune systems, and the use of oral contraceptives (the pill).

Signs and Symptoms: Precancerous changes of the cervix usually do not cause pain. In fact, they generally do not cause any symptoms until abnormal cervical cells become cancerous and invade nearby tissue, unless a woman has a pelvic exam and a Pap test. Symptoms include: abnormal bleeding (longer and heavier than usual), bleeding after menopause, and increased vaginal discharge is another symptom of cervical cancer.

Diagnosing the Cancer: Pap Smear tests (Early Detection), colposcopy, endocervical curettage, conization, dilation and curettage,

Treatment: Surgery (Hysterectomy), cryosurgery, cauterization, laser surgery, conization, radiation therapy, and chemotherapy.

Table 277. Cervical Cancer Screening by County/Region of Residence, Education, Age Group, and Income, Nevada Residents, 1996-2000

Responses	Answers						Total
	Yes			No			
	Number	Percent*	95% C.I.	Number	Percent*	95% C.I.	
Total							
Responses	5,339	95.3%	(94.7%-95.9%)	244	4.7%	(4.1%-5.3%)	5,583
County/Region of Residence							
Clark County	1,711	95.2%	(94.2%-96.2%)	82	4.8%	(3.8%-5.8%)	1,793
Washoe County	1,769	95.7%	(94.8%-96.6%)	79	4.3%	(3.4%-5.2%)	1,848
All Other Counties	1,859	95.7%	(94.8%-96.6%)	83	4.3%	(3.4%-5.2%)	1,942
Education							
Less than High School	457	88.6%	(85.8%-91.4%)	42	11.4%	(8.6%-14.2%)	499
High School	1,715	95.0%	(94.0%-96.0%)	95	5.0%	(4.0%-6.0%)	1,810
Some Post High School	1,885	96.2%	(95.4%-97.0%)	76	3.8%	(3.0%-4.6%)	1,961
College Graduate	1,270	97.3%	(96.4%-98.2%)	31	2.7%	(1.8%-3.6%)	1,301
Age Group							
18-24 years old	425	84.1%	(80.9%-87.3%)	83	15.9%	(12.7%-19.1%)	508
25-34 years old	1,008	96.1%	(94.9%-97.3%)	30	3.9%	(2.7%-5.1%)	1,038
35-44 years old	1,284	98.3%	(97.6%-99.0%)	22	1.7%	(1.0%-2.4%)	1,306
45-54 years old	1,033	98.6%	(97.9%-99.3%)	17	1.4%	(0.7%-2.1%)	1,050
55-64 years old	678	98.4%	(97.5%-99.3%)	14	1.6%	(0.7%-2.5%)	692
65+ years old	887	92.0%	(90.3%-93.7%)	76	8.0%	(6.3%-9.7%)	963
Income							
Less than \$15,000	605	92.9%	(90.9%-94.9%)	44	7.1%	(5.1%-9.1%)	649
\$15,000 - \$24,999	493	94.8%	(92.9%-96.7%)	33	5.2%	(3.3%-7.1%)	526
\$25,000 - \$34,999	820	95.2%	(93.8%-96.6%)	43	4.8%	(3.4%-6.2%)	863
\$35,000 - \$49,999	1,042	97.1%	(96.1%-98.1%)	21	2.9%	(1.9%-3.9%)	1,063
\$50,000 or More	1,546	98.0%	(97.3%-98.7%)	23	2.0%	(1.3%-2.7%)	1,569

*Denominator is persons age 18-64 and excludes missing, don't know, and refused responses.

Note: This table includes those respondents who answered "Yes" or "No" to the following question:

- 1) A Pap smear is a test for cancer of the cervix. Have you ever had a Pap smear?

Table 278. Cervical Cancer Cases by Age Group and County/Region of Residence at Diagnosis, Nevada Residents (1996-2000) and SEER-11 (1995-1999)

Category	County/Region of Residence					SEER 11 (1995-1999)
	Nevada Total	Clark	Washoe	All Other Counties	Unknown	
Total						
Cases	497	366	83	48	0	9,206
Rate*	10.9	11.8	10.3	7.1	---	9.8
95% C.I.	(9.9-11.8)	(10.6-13.0)	(8.1-12.5)	(5.1-9.1)	---	(9.6-10.0)
Age Group						
<1	0	0	0	0	0	---
Rate*	---	---	---	---	---	---
95% C.I.	---	---	---	---	---	---
1-4	0	0	0	0	0	---
Rate*	---	---	---	---	---	---
95% C.I.	---	---	---	---	---	---
5-14	0	0	0	0	0	---
Rate*	---	---	---	---	---	---
95% C.I.	---	---	---	---	---	---
15-24	4	3	0	1	0	130
Rate*	---	---	---	---	---	1.0
95% C.I.	---	---	---	---	---	(0.9-1.2)
25-34	59	42	11	6	0	1,390
Rate*	8.6	8.6	9.0	---	---	9.6
95% C.I.	(6.4-10.8)	(6.0-11.2)	(3.7-14.4)	---	---	(9.1-10.1)
35-44	127	95	25	7	0	2,483
Rate*	17.6	20.0	18.4	---	---	15.8
95% C.I.	(14.5-20.7)	(16.0-24.1)	(11.2-25.6)	---	---	(15.2-16.4)
45-54	112	82	16	14	0	2,020
Rate*	18.8	20.9	14.6	14.9	---	17.4
95% C.I.	(15.3-22.2)	(16.3-25.4)	(7.4-21.7)	(7.1-22.7)	---	(16.6-18.1)
55-64	96	68	15	13	0	1,258
Rate*	22.2	23.0	21.5	19.3	---	17.3
95% C.I.	(17.8-26.7)	(17.6-28.5)	(10.6-32.4)	(8.8-29.8)	---	(16.3-18.2)
65-74	63	49	10	4	0	1,033
Rate*	20.1	23.3	19.2	---	---	16.2
95% C.I.	(15.1-25.0)	(16.8-29.9)	(7.3-31.1)	---	---	(15.2-17.2)
75-84	25	19	3	3	0	652
Rate*	13.9	16.1	---	---	---	14.9
95% C.I.	(8.4-19.3)	(8.8-23.3)	---	---	---	(13.8-16.1)
85+	11	8	3	0	0	239
Rate*	23.0	---	---	---	---	13.7
95% C.I.	(9.4-36.6)	---	---	---	---	(12.0-15.5)
Unknown	0	0	0	0	0	0

* Rates are per 100,000 age-specific female population.

Note: The "----" is used for rates calculated on numbers less than ten and SEER numbers less than five. See Technical Notes for more information.

Table 279. Cervical Cancer Inpatient Discharges by Gender, Charges, Length of Stay, and County/Region of Residence, Nevada Residents, 1996-2000

Category	County/Region of Residence				
	Nevada Total	Clark	Washoe	All Other Counties	Unknown
Total					
Discharges	611	463	82	66	0
Rate*	6.6	7.5	5.0	4.6	---
95% C.I.	(6.1-7.2)	(6.8-8.3)	(4.0-6.2)	(3.6-6.0)	---
Gender					
Male	0	0	0	0	0
Rate*	---	---	---	---	---
95% C.I.	---	---	---	---	---
Female	611	463	82	66	0
Rate*	13.3	15.1	10.0	9.4	---
95% C.I.	(12.3-14.4)	(13.8-16.6)	(7.9-12.5)	(7.2-12.0)	---
Other/Unknown	0	0	0	0	0
Inpatient Discharge Charges (\$)					
Total Charges	\$12,449,843	\$9,340,499	\$1,949,138	\$1,160,206	---
Average Charges	\$20,376	\$20,174	\$23,770	\$17,579	---
Median Charges	\$15,940	\$15,893	\$19,656	\$12,092	---
Discharge Length of Stay (LOS) (Days)					
Total LOS	2,803	2,182	366	255	---
Average LOS	4.6	4.7	4.5	3.9	---
Median LOS	3.0	3.0	3.0	3.0	---

* Rates are per 100,000 population and are age-adjusted to the 2000 US Standard population.

Note: The "---" is used for rates calculated on numbers less than ten. Caution should be used when comparing inpatient hospital discharge data to other data sources, since it is occurrence-based data. Please see Technical Notes for more information.

Table 280. Cervical Cancer Mortality by Age Group and County/Region of Residence, Nevada Residents, 1996-2000

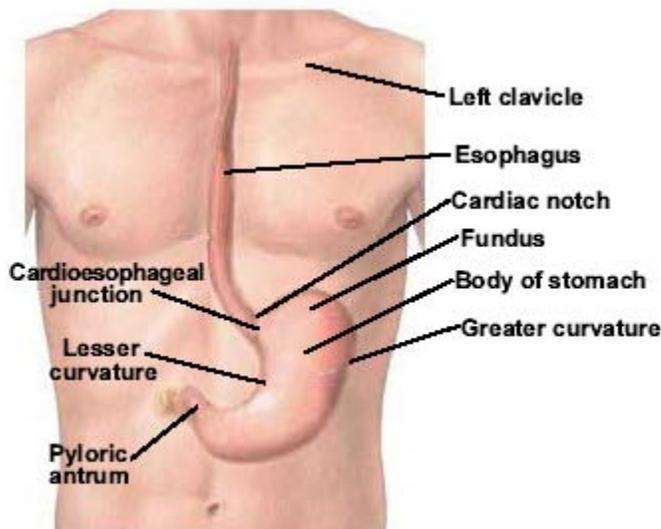
Category	County/Region of Residence			
	Nevada Total	Clark	Washoe	All Other Counties
Total				
Cases	133	99	21	13
Rate*	2.9	3.2	2.6	1.9
95% C.I.	(2.4-3.4)	(2.6-3.8)	(1.5-3.7)	(0.9-3.0)
Age Group				
<1	0	0	0	0
Rate*	---	---	---	---
95% C.I.	---	---	---	---
1-4	0	0	0	0
Rate*	---	---	---	---
95% C.I.	---	---	---	---
5-14	0	0	0	0
Rate*	---	---	---	---
95% C.I.	---	---	---	---
15-24	0	0	0	0
Rate*	---	---	---	---
95% C.I.	---	---	---	---
25-34	10	7	3	0
Rate*	1.5	---	---	---
95% C.I.	(0.6-2.4)	---	---	---
35-44	24	21	3	0
Rate*	3.3	4.4	---	---
95% C.I.	(2.0-4.7)	(2.5-6.3)	---	---
45-54	38	28	6	4
Rate*	6.4	7.1	---	---
95% C.I.	(4.3-8.4)	(4.5-9.8)	---	---
55-64	17	13	1	3
Rate*	3.9	4.4	---	---
95% C.I.	(2.1-5.8)	(2.0-6.8)	---	---
65-74	23	15	4	4
Rate*	7.3	7.1	---	---
95% C.I.	(4.3-10.3)	(3.5-10.8)	---	---
75-84	13	9	2	2
Rate*	7.2	---	---	---
95% C.I.	(3.3-11.1)	---	---	---
85+	8	6	2	0
Rate*	---	---	---	---
95% C.I.	---	---	---	---
Unknown	0	0	0	0

* Rates are per 100,000 age-specific female population.
 Note: The "----" is used for rates calculated on numbers less than ten.

ESOPHAGEAL CANCER

GENERAL PROFILE⁴

Figure 174. Anatomical Drawing of the Esophagus and Stomach⁵



General Anatomy: The esophagus is a hollow tube that carries food and liquids from the throat to the stomach. When a person swallows, the muscular walls of the esophagus contract to push food down into the stomach. Glands in the lining of the esophagus produce mucus, which keeps the passageway moist and makes swallowing easier. The esophagus is located just behind the trachea (windpipe). In an adult, the esophagus is about 10 inches long.

Risk Factors: Age, (over 60 years of age), being male, tobacco use, chronic and/or heavy alcohol use, Barrett's Esophagus (Long-term irritation from gastric reflux), medical history, and other types of irritation that cause significant irritation or damage to the lining of the esophagus (swallowing lye or other caustic substances) can increase the risk of developing esophageal cancer.

Signs and Symptoms: Difficult or painful swallowing, severe weight loss, pain in the throat or back, behind the breastbone or between the shoulder blades, hoarseness or chronic cough, vomiting, and coughing up blood are some common symptoms of Esophageal Cancer.

Diagnosing the Cancer: Barium swallow x-rays (also called an Esophagram), biopsy procedures (Esophagoscopy/Endoscopy), computed tomography (CAT) scan, bone scan, and bronchoscopy are common ways of diagnosing this type of cancer.

Treatment: Surgery (Esophagectomy), radiation therapy, chemotherapy, laser therapy, and photodynamic therapy (PDT).

Table 281. Esophageal Cancer Cases by Age Group and County/Region of Residence at Diagnosis, Nevada Residents (1996-2000) and SEER-11 (1995-1999)

Category	County/Region of Residence					SEER 11 (1995-1999)
	Nevada Total	Clark	Washoe	All Other Counties	Unknown	
Total						
Cases	444	311	76	57	0	7,483
Rate*	4.8	4.9	4.6	4.2	---	4.0
95% C.I.	(4.3-5.2)	(4.4-5.5)	(3.6-5.7)	(3.1-5.2)	---	(3.9-4.1)
Age Group						
<1	0	0	0	0	0	---
Rate*	---	---	---	---	---	---
95% C.I.	---	---	---	---	---	---
1-4	0	0	0	0	0	---
Rate*	---	---	---	---	---	---
95% C.I.	---	---	---	---	---	---
5-14	0	0	0	0	0	---
Rate*	---	---	---	---	---	---
95% C.I.	---	---	---	---	---	---
15-24	0	0	0	0	0	6
Rate*	---	---	---	---	---	---
95% C.I.	---	---	---	---	---	---
25-34	0	0	0	0	0	31
Rate*	---	---	---	---	---	0.1
95% C.I.	---	---	---	---	---	(0.1-0.1)
35-44	16	11	3	2	0	205
Rate*	1.1	1.1	---	---	---	0.7
95% C.I.	(0.5-1.6)	(0.5-1.8)	---	---	---	(0.6-0.7)
45-54	47	34	4	9	0	877
Rate*	3.9	4.3	---	---	---	3.8
95% C.I.	(2.8-5.0)	(2.8-5.7)	---	---	---	(3.6-4.1)
55-64	138	92	30	16	0	1,641
Rate*	16.0	15.8	21.2	11.6	---	11.7
95% C.I.	(13.4-18.7)	(12.6-19.1)	(13.6-28.8)	(5.9-17.3)	---	(11.2-12.3)
65-74	135	92	23	20	0	2,431
Rate*	21.8	22.2	22.8	19.1	---	21.1
95% C.I.	(18.1-25.5)	(17.7-26.7)	(13.5-32.1)	(10.8-27.5)	---	(20.2-21.9)
75-84	90	72	11	7	0	1,747
Rate*	27.5	33.3	20.0	---	---	24.0
95% C.I.	(21.8-33.1)	(25.6-41.0)	(8.2-31.8)	---	---	(22.9-25.2)
85+	18	10	5	3	0	544
Rate*	25.6	23.3	---	---	---	21.9
95% C.I.	(13.7-37.4)	(8.9-37.8)	---	---	---	(20.1-23.8)
Unknown	0	0	0	0	0	0

* Rates are per 100,000 age-specific population.

Note: The "----" is used for rates calculated on numbers less than ten and SEER numbers less than five. See Technical Notes for more information.

Table 282. Esophageal Cancer Inpatient Discharges by Gender, Charges, Length of Stay, and County/Region of Residence, Nevada Residents, 1996-2000

Category	County/Region of Residence				
	Nevada Total	Clark	Washoe	All Other Counties	Unknown
Total					
Discharges	293	216	42	35	0
Rate*	3.4	3.7	2.9	2.4	---
95% C.I.	(3.0-3.8)	(3.2-4.3)	(2.1-4.0)	(1.6-3.4)	---
Gender					
Male	223	160	34	29	0
Rate*	5.3	5.7	5.1	3.9	---
95% C.I.	(4.6-6.2)	(4.8-6.9)	(3.5-7.6)	(2.6-6.0)	---
Female	70	56	8	6	0
Rate*	1.6	1.9	---	---	---
95% C.I.	(1.2-2.0)	(1.4-2.5)	---	---	---
Other/Unknown	0	0	0	0	0
Inpatient Discharge Charges (\$)					
Total Charges	\$12,470,581	\$9,972,796	\$1,316,354	\$1,181,431	---
Average Charges	\$42,562	\$46,170	\$31,342	\$33,755	---
Median Charges	\$24,270	\$24,457	\$25,724	\$21,466	---
Discharge Length of Stay (LOS) (Days)					
Total LOS	2,945	2,274	368	303	---
Average LOS	10.1	10.5	8.8	8.7	---
Median LOS	7.0	7.0	7.5	7.0	---

* Rates are per 100,000 population and are age-adjusted to the 2000 US Standard population.

Note: The "---" is used for rates calculated on numbers less than ten. Caution should be used when comparing inpatient hospital discharge data to other data sources, since it is occurrence-based data. Please see Technical Notes for more information.

Table 283. Esophageal Cancer Mortality by Age Group and County/Region of Residence, Nevada Residents, 1996-2000

Category	County/Region of Residence			
	Nevada Total	Clark	Washoe	All Other Counties
Total				
Mortality	368	252	72	44
Rate*	4.0	4.0	4.4	3.2
95% C.I.	(3.6-4.4)	(3.5-4.5)	(3.4-5.4)	(2.3-4.2)
Age Group				
<1	0	0	0	0
Rate*	---	---	---	---
95% C.I.	---	---	---	---
1-4	0	0	0	0
Rate*	---	---	---	---
95% C.I.	---	---	---	---
5-14	0	0	0	0
Rate*	---	---	---	---
95% C.I.	---	---	---	---
15-24	0	0	0	0
Rate*	---	---	---	---
95% C.I.	---	---	---	---
25-34	0	0	0	0
Rate*	---	---	---	---
95% C.I.	---	---	---	---
35-44	11	9	2	0
Rate*	0.7	---	---	---
95% C.I.	(0.3-1.2)	---	---	---
45-54	29	22	3	4
Rate*	2.4	2.8	---	---
95% C.I.	(1.5-3.3)	(1.6-3.9)	---	---
55-64	119	79	24	16
Rate*	13.8	13.6	17.0	11.6
95% C.I.	(11.3-16.3)	(10.6-16.6)	(10.2-23.8)	(5.9-17.3)
65-74	115	72	26	17
Rate*	18.6	17.4	25.8	16.3
95% C.I.	(15.2-21.9)	(13.4-21.4)	(15.9-35.7)	(8.5-24.0)
75-84	82	65	12	5
Rate*	25.0	30.1	21.8	---
95% C.I.	(19.6-30.4)	(22.8-37.4)	(9.5-34.1)	---
85+	12	5	5	2
Rate*	17.0	---	---	---
95% C.I.	(7.4-26.7)	---	---	---
Unknown	0	0	0	0

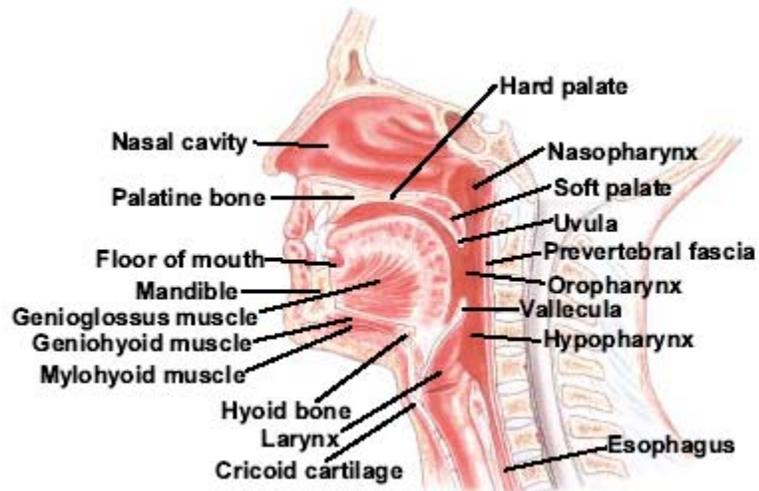
* Rates are per 100,000 age-specific population.

Note: The "----" is used for rates calculated on numbers less than ten.

LARYNX CANCER

GENERAL PROFILE⁴

Figure 175. Anatomy of the Oral Cavity⁵



General Anatomy: The larynx, also called the voice box, is a 2-inch-long, tube-shaped organ made of cartilage in the neck. We use the larynx when we breathe, talk, or swallow. The larynx is at the top of the windpipe (trachea). The large cartilage that forms the front of the larynx is sometimes called the Adam's apple. The vocal cords, two bands of muscle, form a "V" inside the larynx.

Risk Factors: Cancer of the larynx occurs most often in people over the age of 55, men, Blacks, as a racial/ethnic group, smokers, and those who work with asbestos.

Signs and Symptoms: The symptoms of cancer of the larynx depend mainly on the size and location of the tumor. Most cancers of the larynx begin on the vocal cords. These tumors are seldom painful, but they almost always cause hoarseness or other changes in the voice. Tumors in the area above the vocal cords may cause a lump on the neck, a sore throat, or an earache. Tumors that begin in the area below the vocal cords are rare. They can make it hard to breathe, and breathing may be noisy.

A cough that doesn't go away or the feeling of a lump in the throat may also be warning signs of cancer of the larynx. As the tumor grows, it may cause pain, weight loss, bad breath, and frequent choking on food. In some cases, a tumor in the larynx can make it hard to swallow.

Diagnosing the Cancer: Direct and indirect laryngoscopy, computed tomography (CAT) scan, and magnetic resonance imaging (MRI) are some common ways of diagnosing cancer of the larynx.

Treatment: Radiation therapy, surgery (Partial or Total Laryngectomy), and chemotherapy are the most common treatment options for those diagnosed with Larynx Cancer.

Table 284. Larynx Cancer Cases by Age Group and County/Region of Residence at Diagnosis, Nevada Residents (1996-2000) and SEER-11 (1995-1999)

Category	County/Region of Residence					SEER 11 (1995-1999)
	Nevada Total	Clark	Washoe	All Other Counties	Unknown	
Total						
Cases	371	231	79	61	0	6,718
Rate*	4.0	3.7	4.8	4.5	---	3.6
95% C.I.	(3.6-4.4)	(3.2-4.1)	(3.8-5.9)	(3.3-5.6)	---	(3.5-3.7)
Age Group						
<1	0	0	0	0	0	---
Rate*	---	---	---	---	---	---
95% C.I.	---	---	---	---	---	---
1-4	0	0	0	0	0	---
Rate*	---	---	---	---	---	---
95% C.I.	---	---	---	---	---	---
5-14	0	0	0	0	0	---
Rate*	---	---	---	---	---	---
95% C.I.	---	---	---	---	---	---
15-24	0	0	0	0	0	---
Rate*	---	---	---	---	---	---
95% C.I.	---	---	---	---	---	---
25-34	3	2	1	0	0	30
Rate*	---	---	---	---	---	0.1
95% C.I.	---	---	---	---	---	(0.1-0.1)
35-44	11	4	5	2	0	282
Rate*	0.7	---	---	---	---	0.9
95% C.I.	(0.3-1.2)	---	---	---	---	(0.8-1.0)
45-54	62	40	13	9	0	957
Rate*	5.1	5.0	5.8	---	---	4.2
95% C.I.	(3.9-6.4)	(3.5-6.6)	(2.6-8.9)	---	---	(3.9-4.4)
55-64	111	82	15	14	0	1,777
Rate*	12.9	14.1	10.6	10.1	---	12.7
95% C.I.	(10.5-15.3)	(11.1-17.2)	(5.2-16.0)	(4.8-15.5)	---	(12.1-13.3)
65-74	109	57	26	26	0	2,235
Rate*	17.6	13.7	25.8	24.9	---	19.4
95% C.I.	(14.3-20.9)	(10.2-17.3)	(15.9-35.7)	(15.3-34.4)	---	(18.6-20.2)
75-84	62	39	16	7	0	1,192
Rate*	18.9	18.0	29.1	---	---	16.4
95% C.I.	(14.2-23.6)	(12.4-23.7)	(14.8-43.3)	---	---	(15.5-17.3)
85+	13	7	3	3	0	239
Rate*	18.5	---	---	---	---	9.6
95% C.I.	(8.4-28.5)	---	---	---	---	(8.4-10.9)
Unknown	0	0	0	0	0	0

* Rates are per 100,000 age-specific population.

Note: The “---” is used for rates calculated on numbers less than ten and SEER numbers less than five. See Technical Notes for more information.

Table 285. Larynx Cancer Inpatient Discharges by Gender, Charges, Length of Stay, and County/Region of Residence, Nevada Residents, 1996-2000

Category	County/Region of Residence				
	Nevada Total	Clark	Washoe	All Other Counties	Unknown
Total					
Discharges	226	142	47	37	0
Rate*	2.5	2.4	3.0	2.5	---
95% C.I.	(2.2-2.9)	(2.0-2.9)	(2.2-4.1)	(1.7-3.5)	---
Gender					
Male	172	109	30	33	0
Rate*	4.0	4.0	3.8	4.5	---
95% C.I.	(3.4-4.8)	(3.2-5.0)	(2.6-5.8)	(3.1-6.6)	---
Female	54	33	17	4	0
Rate*	1.2	1.1	2.2	---	---
95% C.I.	(0.9-1.6)	(0.7-1.5)	(1.3-3.6)	---	---
Other/Unknown	0	0	0	0	0
Inpatient Discharge Charges (\$)					
Total Charges	\$8,982,071	\$6,203,467	\$1,696,114	\$1,082,490	---
Average Charges	\$39,744	\$43,686	\$36,088	\$29,256	---
Median Charges	\$29,728	\$30,779	\$30,236	\$25,340	---
Discharge Length of Stay (LOS) (Days)					
Total LOS	2,174	1,387	467	320	---
Average LOS	9.6	9.8	9.9	8.6	---
Median LOS	7.0	7.0	9.0	7.0	---

* Rates are per 100,000 population and are age-adjusted to the 2000 US Standard population.

Note: The “---” is used for rates calculated on numbers less than ten. Caution should be used when comparing inpatient hospital discharge data to other data sources, since it is occurrence-based data. Please see Technical Notes for more information.

Table 286. Larynx Cancer Mortality by Age Group and County/Region of Residence, Nevada Residents, 1996-2000

Category	County/Region of Residence			
	Nevada Total	Clark	Washoe	All Other Counties
Total				
Mortality	136	91	18	27
Rate*	1.5	1.4	1.1	2.0
95% C.I.	(1.2-1.7)	(1.1-1.7)	(0.6-1.6)	(1.2-2.7)
Age Group				
<1	0	0	0	0
Rate*	---	---	---	---
95% C.I.	---	---	---	---
1-4	0	0	0	0
Rate*	---	---	---	---
95% C.I.	---	---	---	---
5-14	0	0	0	0
Rate*	---	---	---	---
95% C.I.	---	---	---	---
15-24	0	0	0	0
Rate*	---	---	---	---
95% C.I.	---	---	---	---
25-34	0	0	0	0
Rate*	---	---	---	---
95% C.I.	---	---	---	---
35-44	1	1	0	0
Rate*	---	---	---	---
95% C.I.	---	---	---	---
45-54	12	9	1	2
Rate*	1.0	---	---	---
95% C.I.	(0.4-1.6)	---	---	---
55-64	33	26	2	5
Rate*	3.8	4.5	---	---
95% C.I.	(2.5-5.1)	(2.8-6.2)	---	---
65-74	54	33	7	14
Rate*	8.7	8.0	---	13.4
95% C.I.	(6.4-11.0)	(5.2-10.7)	---	(6.4-20.4)
75-84	27	19	4	4
Rate*	8.2	8.8	---	---
95% C.I.	(5.1-11.3)	(4.8-12.7)	---	---
85+	9	3	4	2
Rate*	---	---	---	---
95% C.I.	---	---	---	---
Unknown	0	0	0	0

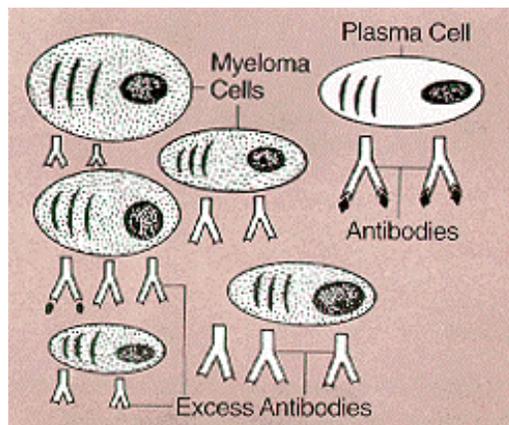
* Rates are per 100,000 age-specific population.

Note: The “---” is used for rates calculated on numbers less than ten.

MULTIPLE MYELOMA

GENERAL PROFILE⁴

Figure 176. Picture of Myeloma Cells⁴



General Anatomy: Multiple Myeloma affects certain white blood cells called plasma cells that are part of the body's immune system. Plasma cells begin their development in the bone marrow and help the immune system fight infection and disease by producing antibodies. When cancer involves plasma cells, the body keeps producing more and more of these cells. The unneeded plasma cells -- all abnormal and all exactly alike -- are called myeloma cells. Myeloma cells tend to collect in the bone marrow and in the hard, outer part of bones. Sometimes they collect in only one bone and form a single mass, or tumor, called a plasmacytoma. In most cases, however, the myeloma cells collect in many bones, often forming many tumors and causing other problems. When this happens, the disease is called multiple myeloma.

Risk Factors: While the cause is unknown most multiple myeloma patients are between 50 and 70 years of age and affects Blacks, as a racial/ethnic group, more often than whites and men more often than women. Those with a family history of multiple myeloma and those exposed to certain chemicals and radiation seem to have a slightly higher increase in the risk of developing this type of cancer. In most cases, people who develop multiple myeloma have no clear risk factors. The disease may be the result of several factors (known and/or unknown) acting together.

Signs and Symptoms: Symptoms of multiple myeloma depend on how advanced the disease is. In the earliest stage of the disease, there may be no symptoms. When symptoms do occur, patients commonly have: bone pain in the back or ribs, broken bones, weakness, fatigue, weight loss, or repeated infections. When the disease is advanced, symptoms may include nausea, vomiting, constipation, problems with urination, and weakness or numbness in the legs.

Diagnosing the Cancer: X-rays, blood and urine tests (high levels of antibody proteins), bone marrow aspiration and/or bone marrow biopsy.

Treatment: chemotherapy, radiation therapy, and secondary surgical procedures to help the individual recover from these types of therapy include: bone marrow transplantation, peripheral stem cell support, and treatment with colony-stimulating factors.

Table 287. Multiple Myeloma Cases by Age Group and County/Region of Residence at Diagnosis, Nevada Residents (1996-2000) and SEER-11 (1995-1999)

Category	County/Region of Residence					SEER 11 (1995-1999)
	Nevada Total	Clark	Washoe	All Other Counties	Unknown	
Total						
Cases	337	198	87	52	0	9,106
Rate*	3.6	3.1	5.3	3.8	---	4.9
95% C.I.	(3.2-4.0)	(2.7-3.6)	(4.2-6.4)	(2.8-4.8)	---	(4.8-5.0)
Age Group						
<1	0	0	0	0	0	---
Rate*	---	---	---	---	---	---
95% C.I.	---	---	---	---	---	---
1-4	0	0	0	0	0	---
Rate*	---	---	---	---	---	---
95% C.I.	---	---	---	---	---	---
5-14	0	0	0	0	0	---
Rate*	---	---	---	---	---	---
95% C.I.	---	---	---	---	---	---
15-24	0	0	0	0	0	6
Rate*	---	---	---	---	---	---
95% C.I.	---	---	---	---	---	---
25-34	0	0	0	0	0	51
Rate*	---	---	---	---	---	0.2
95% C.I.	---	---	---	---	---	(0.1-0.2)
35-44	13	9	2	2	0	311
Rate*	0.9	---	---	---	---	1.0
95% C.I.	(0.4-1.3)	---	---	---	---	(0.9-1.1)
45-54	39	23	9	7	0	998
Rate*	3.2	2.9	---	---	---	4.4
95% C.I.	(2.2-4.2)	(1.7-4.1)	---	---	---	(4.1-4.6)
55-64	77	46	16	15	0	1,638
Rate*	8.9	7.9	11.3	10.9	---	11.7
95% C.I.	(6.9-10.9)	(5.6-10.2)	(5.8-16.9)	(5.4-16.4)	---	(11.1-12.3)
65-74	108	59	31	18	0	2,683
Rate*	17.4	14.2	30.7	17.2	---	23.3
95% C.I.	(14.1-20.7)	(10.6-17.9)	(19.9-41.6)	(9.3-25.2)	---	(22.4-24.1)
75-84	79	48	22	9	0	2,602
Rate*	24.1	22.2	40.0	---	---	35.8
95% C.I.	(18.8-29.4)	(15.9-28.5)	(23.3-56.7)	---	---	(34.4-37.2)
85+	20	12	7	1	0	817
Rate*	28.4	28.0	---	---	---	32.9
95% C.I.	(15.9-40.8)	(12.2-43.9)	---	---	---	(30.7-35.2)
Unknown	1	1	0	0	0	0

* Rates are per 100,000 age-specific population.

Note: The "----" is used for rates calculated on numbers less than ten and SEER numbers less than five. See Technical Notes for more information.

Table 288. Multiple Myeloma Inpatient Discharges by Gender, Charges, Length of Stay, and County/Region of Residence, Nevada Residents, 1996-2000

Category	County/Region of Residence				
	Nevada Total	Clark	Washoe	All Other Counties	Unknown
Total					
Discharges	320	200	84	36	0
Rate*	3.7	3.5	5.7	2.5	---
95% C.I.	(3.3-4.1)	(3.0-4.0)	(4.5-7.1)	(1.7-3.5)	---
Gender					
Male	189	115	51	23	0
Rate*	4.6	4.2	7.7	3.2	---
95% C.I.	(3.9-5.4)	(3.4-5.2)	(5.6-10.6)	(2.0-5.1)	---
Female	131	85	33	13	0
Rate*	2.9	2.9	4.2	1.8	---
95% C.I.	(2.4-3.5)	(2.3-3.6)	(2.9-6.0)	(0.9-3.1)	---
Other/Unknown	0	0	0	0	0
Inpatient Discharge Charges (\$)					
Total Charges	\$10,815,334	\$7,298,287	\$2,659,695	\$857,352	---
Average Charges	\$33,798	\$36,491	\$31,663	\$23,815	---
Median Charges	\$21,511	\$22,806	\$18,735	\$13,518	---
Discharge Length of Stay (LOS) (Days)					
Total LOS	2,970	1,879	828	263	---
Average LOS	9.3	9.4	9.9	7.3	---
Median LOS	7.0	7.0	7.0	7.0	---

* Rates are per 100,000 population and are age-adjusted to the 2000 US Standard population.

Note: The "----" is used for rates calculated on numbers less than ten. Caution should be used when comparing inpatient hospital discharge data to other data sources, since it is occurrence-based data. Please see Technical Notes for more information.

Table 289. Multiple Myeloma Mortality by Age Group and County/Region of Residence, Nevada Residents, 1996-2000

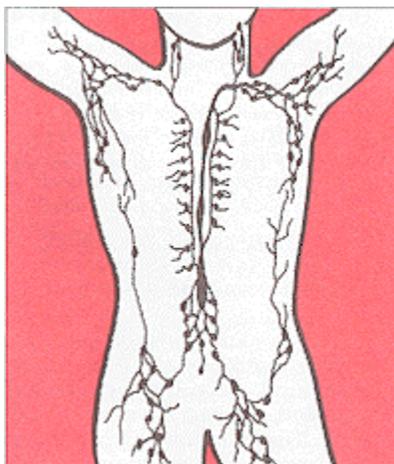
Category	County/Region of Residence			
	Nevada Total	Clark	Washoe	All Other Counties
Total				
Mortality	229	147	54	28
Rate*	2.5	2.3	3.3	2.0
95% C.I.	(2.1-2.8)	(2.0-2.7)	(2.4-4.2)	(1.3-2.8)
Age Group				
<1	0	0	0	0
Rate*	---	---	---	---
95% C.I.	---	---	---	---
1-4	0	0	0	0
Rate*	---	---	---	---
95% C.I.	---	---	---	---
5-14	0	0	0	0
Rate*	---	---	---	---
95% C.I.	---	---	---	---
15-24	0	0	0	0
Rate*	---	---	---	---
95% C.I.	---	---	---	---
25-34	0	0	0	0
Rate*	---	---	---	---
95% C.I.	---	---	---	---
35-44	2	2	0	0
Rate*	---	---	---	---
95% C.I.	---	---	---	---
45-54	19	13	4	2
Rate*	1.6	1.6	---	---
95% C.I.	(0.9-2.3)	(0.7-2.5)	---	---
55-64	48	31	11	6
Rate*	5.6	5.3	7.8	---
95% C.I.	(4.0-7.2)	(3.5-7.2)	(3.2-12.4)	---
65-74	77	46	20	11
Rate*	12.4	11.1	19.8	10.5
95% C.I.	(9.6-15.2)	(7.9-14.3)	(11.1-28.5)	(4.3-16.7)
75-84	69	46	14	9
Rate*	21.1	21.3	25.4	---
95% C.I.	(16.1-26.0)	(15.1-27.4)	(12.1-38.8)	---
85+	14	9	5	0
Rate*	19.9	---	---	---
95% C.I.	(9.5-30.3)	---	---	---
Unknown	0	0	0	0

* Rates are per 100,000 age-specific population.
 Note: The “---” is used for rates calculated on numbers less than ten.

HODGKIN'S LYMPHOMA

GENERAL PROFILE⁴

Figure 177. Anatomy of the Lymphatic System⁴



General Anatomy: Lymphoma is a general term for cancers that develop in the lymphatic system. The lymphatic system is part of the body's immune system that helps the body fight disease and infection and includes a network of thin tubes (lymphatic vessels) that branch, like blood vessels, into tissues throughout the body. These vessels carry lymph, a colorless, watery fluid that contains infection-fighting cells called lymphocytes. Along this network of vessels are small organs called lymph nodes that are found in the underarms, groin, neck, chest, and abdomen. Other parts of the lymphatic system are the spleen, thymus, tonsils, and bone marrow. Lymphatic tissue is also found in other parts of the body, including the stomach, intestines, and skin.

Hodgkin's disease, an uncommon lymphoma, accounts for less than 1 percent of all cases of cancer in the United States. This type of cancer tends to spread in a fairly orderly way from one group of lymph nodes to the next group. For example, Hodgkin's disease that arises in the lymph nodes in the neck spreads first to the nodes above the collarbones, and then to the lymph nodes under the arms and within the chest. Eventually, it can spread to almost any other part of the body.

Risk Factors: Common risk factors that are believed to be associated with the development of Hodgkin's Lymphoma are: age (between 15 and 34 and over 55 years of age), being male, family History, and certain viruses (Epstein-Barr virus).

Signs and Symptoms: A painless swelling in the lymph nodes in the neck, underarm, or groin, unexplained recurrent fevers, night sweats, unexplained weight loss, and itchy skin are some common symptoms that can be associated with Hodgkin's Lymphoma.

Diagnosing the Cancer: X-rays, computed tomography (CAT) scan, and magnetic resonance imaging (MRI), and biopsy (Reed-Sternberg cells in lymph node tissue).

Treatment: Radiation therapy and chemotherapy are the most common treatments, but others include: bone marrow transplantation, peripheral stem cell transplantation, and biological therapies are being studied in clinical trials.

Table 290. Hodgkin’s Lymphoma Cases by Age Group and County/Region of Residence at Diagnosis, Nevada Residents (1996-2000) and SEER-11 (1995-1999)

Category	County/Region of Residence					SEER 11 (1995-1999)
	Nevada Total	Clark	Washoe	All Other Counties	Unknown	
Total						
Cases	187	122	35	30	0	5,019
Rate*	2.0	1.9	2.1	2.2	---	2.7
95% C.I.	(1.7-2.3)	(1.6-2.3)	(1.4-2.8)	(1.4-3.0)	---	(2.6-2.8)
Age Group						
<1	0	0	0	0	0	---
Rate*	---	---	---	---	---	---
95% C.I.	---	---	---	---	---	---
1-4	2	0	1	1	0	11
Rate*	---	---	---	---	---	0.1
95% C.I.	---	---	---	---	---	(0.0-0.2)
5-14	5	4	0	1	0	211
Rate*	---	---	---	---	---	0.8
95% C.I.	---	---	---	---	---	(0.7-0.9)
15-24	24	16	4	4	0	927
Rate*	1.9	1.8	---	---	---	3.6
95% C.I.	(1.1-2.6)	(0.9-2.7)	---	---	---	(3.4-3.8)
25-34	43	30	10	3	0	1,228
Rate*	3.0	2.9	4.0	---	---	4.2
95% C.I.	(2.1-3.9)	(1.9-4.0)	(1.5-6.4)	---	---	(4.0-4.4)
35-44	33	24	4	5	0	889
Rate*	2.2	2.4	---	---	---	2.8
95% C.I.	(1.5-3.0)	(1.5-3.4)	---	---	---	(2.7-3.0)
45-54	31	19	8	4	0	569
Rate*	2.6	2.4	---	---	---	2.5
95% C.I.	(1.7-3.5)	(1.3-3.5)	---	---	---	(2.3-2.7)
55-64	18	11	3	4	0	434
Rate*	2.1	1.9	---	---	---	3.1
95% C.I.	(1.1-3.1)	(0.8-3.0)	---	---	---	(2.8-3.4)
65-74	23	12	5	6	0	376
Rate*	3.7	2.9	---	---	---	3.3
95% C.I.	(2.2-5.2)	(1.3-4.5)	---	---	---	(2.9-3.6)
75-84	5	5	0	0	0	295
Rate*	---	---	---	---	---	4.1
95% C.I.	---	---	---	---	---	(3.6-4.5)
85+	3	1	0	2	0	77
Rate*	---	---	---	---	---	3.1
95% C.I.	---	---	---	---	---	(2.4-3.8)
Unknown	0	0	0	0	0	0

* Rates are per 100,000 age-specific population.

Note: The “---” is used for rates calculated on numbers less than ten and SEER numbers less than five. See Technical Notes for more information.

Table 291. Hodgkin's Lymphoma Inpatient Discharges by Gender, Charges, Length of Stay, and County/Region of Residence, Nevada Residents, 1996-2000

Category	County/Region of Residence				
	Nevada Total	Clark	Washoe	All Other Counties	Unknown
Total					
Discharges	116	89	18	9	0
Rate*	1.2	1.4	1.1	---	---
95% C.I.	(1.0-1.5)	(1.1-1.7)	(0.7-1.8)	---	---
Gender					
Male	61	51	7	3	0
Rate*	1.3	1.5	---	---	---
95% C.I.	(1.0-1.7)	(1.2-2.2)	---	---	---
Female	55	38	11	6	0
Rate*	1.2	1.2	1.4	---	---
95% C.I.	(0.9-1.6)	(0.9-1.7)	(0.7-2.5)	---	---
Other/Unknown	0	0	0	0	0
Inpatient Discharge Charges (\$)					
Total Charges	\$4,306,209	\$3,302,741	\$716,230	\$287,238	---
Average Charges	\$37,122	\$37,109	\$39,791	\$31,915	---
Median Charges	\$18,413	\$18,383	\$20,569	\$16,777	---
Discharge Length of Stay (LOS) (Days)					
Total LOS	1,031	834	140	57	---
Average LOS	8.9	9.4	7.8	6.3	---
Median LOS	5.0	5.0	5.5	5.0	---

* Rates are per 100,000 population and are age-adjusted to the 2000 US Standard population.

Note: The "---" is used for rates calculated on numbers less than ten. Caution should be used when comparing inpatient hospital discharge data to other data sources, since it is occurrence-based data. Please see Technical Notes for more information.

Table 292. Hodgkin's Lymphoma Mortality by Age Group and County/Region of Residence, Nevada Residents, 1996-2000

Category	County/Region of Residence			
	Nevada Total	Clark	Washoe	All Other Counties
Total				
Mortality	39	27	6	6
Rate*	0.4	0.4	0.4	0.4
95% C.I.	(0.3-0.6)	(0.3-0.6)	(0.1-0.7)	(0.1-0.8)
Age Group				
<1	0	0	0	0
Rate*	---	---	---	---
95% C.I.	---	---	---	---
1-4	0	0	0	0
Rate*	---	---	---	---
95% C.I.	---	---	---	---
5-14	0	0	0	0
Rate*	---	---	---	---
95% C.I.	---	---	---	---
15-24	2	2	0	0
Rate*	---	---	---	---
95% C.I.	---	---	---	---
25-34	4	4	0	0
Rate*	---	---	---	---
95% C.I.	---	---	---	---
35-44	4	3	1	0
Rate*	---	---	---	---
95% C.I.	---	---	---	---
45-54	8	4	3	1
Rate*	---	---	---	---
95% C.I.	---	---	---	---
55-64	3	2	0	1
Rate*	---	---	---	---
95% C.I.	---	---	---	---
65-74	13	8	2	3
Rate*	2.1	---	---	---
95% C.I.	(1.0-3.2)	---	---	---
75-84	4	4	0	0
Rate*	---	---	---	---
95% C.I.	---	---	---	---
85+	1	0	0	1
Rate*	---	---	---	---
95% C.I.	---	---	---	---
Unknown	0	0	0	0

* Rates are per 100,000 age-specific population.

Note: The "—" is used for rates calculated on numbers less than ten.

ALL OTHER SITES

Table 293. Cancer Cases for All Other Sites by Age Group and County/Region of Residence at Diagnosis, Nevada Residents (1996-2000) and SEER-11 (1995-1999)

Category	County/Region of Residence					SEER 11 (1995-1999)
	Nevada Total	Clark	Washoe	All Other Counties	Unknown	
Total						
Cases	3,145	1,798	790	556	1	57,829
Rate*	33.8	28.6	48.2	40.6	---	31.2
95% C.I.	(32.6-35.0)	(27.2-29.9)	(44.9-51.6)	(37.2-44.0)	---	(31.0-31.5)
Age Group						
<1	16	10	2	4	0	308
Rate*	11.5	10.2	---	---	---	11.1
95% C.I.	(5.8-17.1)	(3.9-16.5)	---	---	---	(9.9-12.4)
1-4	14	11	1	2	0	474
Rate*	2.6	2.9	---	---	---	4.3
95% C.I.	(1.2-3.9)	(1.2-4.6)	---	---	---	(3.9-4.6)
5-14	26	17	5	4	0	625
Rate*	2.0	1.9	---	---	---	2.3
95% C.I.	(1.2-2.7)	(1.0-2.8)	---	---	---	(2.2-2.5)
15-24	72	40	15	16	1	1,745
Rate*	5.6	4.6	6.6	8.8	---	6.8
95% C.I.	(4.3-6.9)	(3.2-6.0)	(3.3-10.0)	(4.5-13.2)	---	(6.4-7.1)
25-34	143	96	34	13	0	4,286
Rate*	10.0	9.4	13.5	8.2	---	14.6
95% C.I.	(8.4-11.6)	(7.5-11.3)	(8.9-18.0)	(3.7-12.6)	---	(14.2-15.1)
35-44	218	140	52	26	0	5,739
Rate*	14.6	14.1	18.7	11.5	---	18.4
95% C.I.	(12.7-16.5)	(11.8-16.5)	(13.6-23.8)	(7.1-15.9)	---	(17.9-18.8)
45-54	379	223	105	51	0	6,286
Rate*	31.3	28.2	46.8	26.5	---	27.5
95% C.I.	(28.2-34.5)	(24.5-31.8)	(37.8-55.7)	(19.2-33.8)	---	(26.8-28.1)
55-64	566	326	133	107	0	7,717
Rate*	65.7	56.1	94.0	77.6	---	55.1
95% C.I.	(60.3-71.2)	(50.0-62.2)	(78.0-110.0)	(62.9-92.3)	---	(53.9-56.3)
65-74	801	437	210	154	0	12,290
Rate*	129.2	105.4	208.2	147.4	---	106.5
95% C.I.	(120.3-138.2)	(95.5-115.3)	(180.1-236.4)	(124.1-170.7)	---	(104.6-108.4)
75-84	704	376	186	142	0	12,543
Rate*	214.8	173.9	338.0	251.4	---	172.6
95% C.I.	(198.9-230.7)	(156.3-191.4)	(289.4-386.6)	(210.1-292.8)	---	(169.5-175.6)
85+	206	122	47	37	0	5,816
Rate*	292.4	284.8	326.0	280.4	---	234.5
95% C.I.	(252.5-332.3)	(234.2-335.3)	(232.8-419.2)	(190.1-370.8)	---	(228.5-240.5)
Unknown	0	0	0	0	0	0

* Rates are per 100,000 age-specific population.

Note: The "----" is used for rates calculated on numbers less than ten and SEER numbers less than five. See Technical Notes for more information.

Table 294. Inpatient Discharges for All Other Sites by Gender, Charges, Length of Stay, and County/Region of Residence, Nevada Residents, 1996-2000

Category	County/Region of Residence				
	Nevada Total	Clark	Washoe	All Other Counties	Unknown
Total					
Discharges	7,626	5,382	1,290	951	3
Rate*	88.4	93.4	88.8	67.6	---
95% C.I.	(86.4-90.5)	(90.8-96.0)	(84.0-93.9)	(63.3-72.2)	---
Gender					
Male	3,532	2,469	585	476	2
Rate*	86.8	90.2	88.3	70.6	---
95% C.I.	(83.7-89.9)	(86.4-94.1)	(80.9-96.5)	(64.1-77.8)	---
Female	4,094	2,913	705	475	1
Rate*	91.5	97.7	91.8	65.7	---
95% C.I.	(88.7-94.4)	(94.2-101.4)	(85.1-98.9)	(59.9-71.9)	---
Other/Unknown	0	0	0	0	0
Inpatient Discharge Charges (\$)					
Total Charges	\$204,669,570	\$152,850,142	\$31,503,531	\$20,190,179	\$125,718
Average Charges	\$26,838	\$28,400	\$24,421	\$21,230	\$41,906
Median Charges	\$18,143	\$19,205	\$16,959	\$13,765	\$14,655
Discharge Length of Stay (LOS) (Days)					
Total LOS	56,235	40,211	9,707	6,290	27
Average LOS	7.4	7.5	7.5	6.6	9.0
Median LOS	5.0	5.0	6.0	5.0	5.0

* Rates are per 100,000 population and are age-adjusted to the 2000 US Standard population.

Note: The "---" is used for rates calculated on numbers less than ten. Caution should be used when comparing inpatient hospital discharge data to other data sources, since it is occurrence-based data. Please see Technical Notes for more information.

Table 295. All Other Sites Cancer Mortality by Age Group and County/Region of Residence, Nevada Residents, 1996-2000

Category	County/Region of Residence			
	Nevada Total	Clark	Washoe	All Other Counties
Total				
Mortality	2,015	1,255	382	378
Rate*	21.7	19.9	23.3	27.6
95% C.I.	(20.7-22.6)	(18.8-21.0)	(21.0-25.7)	(24.8-30.4)
Age Group				
<1	2	2	0	0
Rate*	---	---	---	---
95% C.I.	---	---	---	---
1-4	3	2	0	1
Rate*	---	---	---	---
95% C.I.	---	---	---	---
5-14	9	5	3	1
Rate*	---	---	---	---
95% C.I.	---	---	---	---
15-24	9	4	1	4
Rate*	---	---	---	---
95% C.I.	---	---	---	---
25-34	20	16	2	2
Rate*	1.4	1.6	---	---
95% C.I.	(0.8-2.0)	(0.8-2.3)	---	---
35-44	65	43	10	12
Rate*	4.4	4.3	3.6	5.3
95% C.I.	(3.3-5.4)	(3.0-5.6)	(1.4-5.8)	(2.3-8.3)
45-54	175	115	26	34
Rate*	14.5	14.5	11.6	17.7
95% C.I.	(12.3-16.6)	(11.9-17.2)	(7.1-16.0)	(11.7-23.6)
55-64	366	239	55	72
Rate*	42.5	41.1	38.9	52.2
95% C.I.	(38.2-46.9)	(35.9-46.3)	(28.6-49.2)	(40.1-64.2)
65-74	615	392	119	104
Rate*	99.2	94.6	118.0	99.5
95% C.I.	(91.4-107.0)	(85.2-103.9)	(96.8-139.2)	(80.4-118.7)
75-84	529	315	121	93
Rate*	161.4	145.7	219.9	164.7
95% C.I.	(147.6-175.2)	(129.6-161.7)	(180.7-259.1)	(131.2-198.1)
85+	222	122	45	55
Rate*	315.1	284.8	312.2	416.9
95% C.I.	(273.7-356.6)	(234.2-335.3)	(221.0-403.4)	(306.7-527.0)
Unknown	0	0	0	0

* Rates are per 100,000 age-specific population.

Note: The “---” is used for rates calculated on numbers less than ten.

APPENDIX A – CODES USED FOR GROUPING

One of the challenges of this report was to combine information on cancer from several different sources and develop a comprehensive report that details the burden and risk of cancer in the State of Nevada. To add to the complexity of it all, each data source did not use identical coding to identify each type of cancer.

The Nevada Central Cancer Registry uses the International Classification of Diseases – Oncology (ICD-O) coding system that is then broken down into the Topography, or Primary Site, as well as the Morphology of the specific cancer. The Topography section of the ICD-O coding structure is fairly comparable to the ICD-10 mortality classification system, with very little variation between the two systems. However, there are some variations, so this report uses the ICD-O coding structure as the primary source for identifying the type of cancer for this report.

The ICD-10 structure was implemented in 1999 for the coding of the underlying cause of death. However, for the 1996 to 1998 data that are used for this report, the mortality database used the ICD-9 mortality coding structure, which is a different structured system, but is fairly comparable to the ICD-10 revision. However, for this report, due to the variations between the ICD-O and ICD-10 coding structures and the fact that the ICD-O system is the primary one used, there have not been any adjustments made to account for potential coding differences that may have occurred due to the change from the ICD-9 to the ICD-10 system in 1999 for all mortality data used in this report.

The ICD-9 coding structure is also used by the inpatient hospital discharge (UB92) database that was used to provide the inpatient discharge statistics for this report. However, all of the 1996 to 2000 hospital discharge data listed in this report is based upon the ICD-9 coding system.

The following pages detail the codes used for each type of coding structure present in the data used for this report. The codes used to identify the leading types of cancer for this report are highlighted. Those not falling under any of the highlighted leading groups were categorized into the All Other Sites grouping.

Table 296. ICD-O Codes Used

Type of Cancer	ICD-O Codes		
	Topography	Morphology	Excluding (M = Morphology)
Total	Sum	Sum	---
Lip, Oral Cavity and Pharynx	Sum of subgroups		
Lip	C00		M-9590:9989
Base of Tongue	C01		M-9590:9989
Other & Unspecified Parts of Tongue	C02		M-9590:9989
Parotid Gland	C07		M-9590:9989
Other & Unspecified Major Salivary glands	C08		M-9590:9989
Floor of Mouth	C04		M-9590:9989
Gum	C03		M-9590:9989
Palate	C05		M-9590:9989
Other & Unspecified Parts of Mouth	C06		M-9590:9989
Nasopharynx	C11		M-9590:9989
Tonsil	C09		M-9590:9989
Oropharynx	C10		M-9590:9989
Pyiform Sinus	C12		M-9590:9989
Hypopharynx	C13		M-9590:9989
Other & Unspecified Oral (Buccal) Cavity & Pharynx	C14		M-9590:9989
Digestive System	Sum of Subgroups		
Esophagus	C15		M-9590:9989
Stomach	C16		M-9590:9989
Small Intestine	C17		
Colorectal	Sum of Colon, Rectum, Rectosigmoid Junction, Anus, Anal Canal and Anorectum		
Colon (excluding Rectum)	Sum of Subgroups		
Cecum	C18.0		M-9590:9989
Appendix	C18.1		M-9590:9989
Ascending Colon	C18.2		M-9590:9989
Hepatic Flexure	C18.3		M-9590:9989
Transverse Colon	C18.4		M-9590:9989
Splenic Flexure	C18.5		M-9590:9989
Descending Colon	C18.6		M-9590:9989
Sigmoid Colon	C18.7		M-9590:9989
Large Intestine, NOS	C18.8-C18.9, C26.0		M-9590:9989
Rectum	C20		M-9590:9989
Rectosigmoid Junction	C19		M-9590:9989
Anus, Anal Canal and Anorectum	C21		M-9590:9989
Liver	C22.0		M-9590:9989
Intrahepatic Bile Ducts	C22.1		M-9590:9989
Gallbladder	C23		M-9590:9989
Other & Unspecified Biliary Tract	C24		M-9590:9989
Pancreas	C25		M-9590:9989
Retroperitoneum	C48.0		M-9590:9989
Peritoneum, Omentum and Mesentery	C48.1-C48.2		M-9590:9989
Other Digestive Organs	C26.8-C26.9, C48.8		M-9590:9989
Respiratory System	Sum of Subgroups		
Nasal Cavity and Middle Ear	C30		M-9590:9989
Accessory Sinuses	C31		M-9590:9989
Larynx	C32		M-9590:9989
Lung and Bronchus	C34		M-9590:9989
Pleura	C38.4		M-9590:9989
Trachea	C33		M-9590:9989
Mediastinum and Other Respiratory Organs	C38.1, C38.3, C38.8, C39		M-9590:9989
Bones, Joints and Articular Cartilage	Sum of Subgroups		
Bones, Joints & Articular Cartilage of Limbs	C40		M-9590:9989
Bones, Joints & Articular Cartilage of Other & Unspec Sites	C41		M-9590:9989
Soft Tissue (Including Heart)	Sum of Subgroups		
Heart	C38.0		M-9590:9989
Peripheral Nerves & Autonomic Nervous System	C47		M-9590:9989
Connective, Subcutaneous & Other Soft Tissues	C49		M-9590:9989

Table 296. ICD-O Codes Used (Continued)

Type of Cancer	ICD-O Codes		
	Topography	Morphology	Excluding (M = Morphology)
Skin (Excluding Basal And Squamous)	Sum of Subgroups		
Melanomas Of The Skin	C44	8720-8790	
Other Non-Epithelial Skin	C44		M-8000:8004, 8010:8045, 8050:8082, 8090:8110, 8720:8790,
Breast	C50		M-9590:9989
Female Genital System	Sum of Subgroups		
Cervix Uteri	C53		M-9590:9989
Corpus Uteri & Uterus, NOS	Sum of Corpus Uteri and Uterus, NOS		
Corpus Uteri	C54		M-9590:9989
Uterus, NOS	C55		M-9590:9989
Ovary	C56		M-9590:9989
Vagina	C52		M-9590:9989
Vulva	C51		M-9590:9989
Placenta	C58		M-9590:9989
Other Female Genital Organs	C57		M-9590:9989
Male Genital System	Sum of Subgroups		
Prostate	C61		M-9590:9989
Testis	C62		M-9590:9989
Penis	C60		M-9590:9989
Other Male Genital Organs	C63		M-9590:9989
Urinary System	Sum of Subgroups		
Urinary Bladder	C67		M-9590:9989
Kidney and Renal Pelvis	Sum of Kidney and Renal Pelvis		
Kidney	C64		M-9590:9989
Renal Pelvis	C65		M-9590:9989
Ureter	C66		M-9590:9989
Other Urinary Organs	C68		M-9590:9989
Eye and Orbit	C69		
Brain and Other Central Nervous System	Sum of Subgroups		
Brain	C71		M-9530:9539, 9590:9989
Meninges	C70		M-9590:9989
Spinal Cord, Cranial Nerves, & Other Parts of CNS	C72	C71 & M-9530:9539	M-9590:9989
Endocrine System	Sum of Subgroups		
Thyroid Gland	C73		
Adrenal Gland	C74		
Other Endocrine (Including Thymus)	C37, C75		M-9590:9989
Hodgkin's Lymphoma		M-9650:9667	
Non-Hodgkin's Lymphoma		M-9590:9595, 9670:9717, 9823:9827	C42.0, C42.1, C42.4
Multiple Myeloma		M-9731:9732	
Leukemia	Sum of subgroups		
Lymphocytic	Sum of subgroups		
Acute Lymphocytic		M-9821:9828	
Chronic Lymphocytic	C42.0, C42.1, C42.4	M-9823	
Other Lymphocytic		M-9820, 9822, 9824:9826	
Granulocytic (Myeloid)	Sum of subgroups		
Acute Myeloid		M-9840, 9861, 9866, 9867, 9871:9874	
Chronic Myeloid		M-9863:9868	
Other Myeloid		M-9860, 9862, 9864	
Monocytic	Sum of subgroups		
Acute Monocytic		M-9891	
Chronic Monocytic		M-9893	
Other Monocytic		M-9890, 9892, 9894	
Other	Sum of subgroups		
Other Acute		M-9801, 9841, 9931, 9932	
Other Chronic		M-9803, 9842	
Aleukemic, Subleukemic and NOS		M-9800, 9802, 9804, 9830, 9850, 9870, 9880, 9900, 9910, 9930, 9940, 9941, 9827	
Other, Ill-Defined and Unspecified Sites	C42.0, C42.1, C42.4 All Others		

Table 297. ICD-9 and ICD-10 Codes Used

Type of Cancer	ICD-9	ICD-10
Total	Sum	Sum
Lip, Oral Cavity and Pharynx	Sum of subgroups	Sum of subgroups
Lip	140	C00
Base of Tongue	141.0	C01
Other & Unspecified Parts of Tongue	141.1-141.9	C02
Parotid Gland	142.0	C07
Other & Unspecified Major Salivary glands	142.1-142.9	C08
Floor of Mouth	144	C04
Gum	143	C03
Palate	145.2-145.5	C05
Other & Unspecified Parts of Mouth	145.0, 145.1, 145.6-145.9	C06
Nasopharynx	147	C11
Tonsil	146.0-146.2	C09
Oropharynx	146.3-146.9	C10
Pyriiform Sinus	148.1	C12
Hypopharynx	148.0, 148.2-148.9	C13
Other & Unspecified Oral (Buccal) Cavity & Pharynx	149	C14
Digestive System	Sum of Subgroups	Sum of Subgroups
Esophagus	150	C15
Stomach	151	C16
Small Intestine	152	C17
Colorectal	Sum of Colon, Rectum, Rectosigmoid Junction, Anus, Anal Canal and Anorectum	
Colon (excluding Rectum)	Sum of Subgroups	Sum of Subgroups
Cecum	153.4	C18.0
Appendix	153.5	C18.1
Ascending Colon	153.6	C18.2
Hepatic Flexure	153.0	C18.3
Transverse Colon	153.1	C18.4
Splenic Flexure	153.7	C18.5
Descending Colon	153.2	C18.6
Sigmoid Colon	153.3	C18.7
Large Intestine, NOS	153.8-153.9, 159.0	C18.8-C18.9, C26.0
Rectum	154.1	C20
Rectosigmoid Junction	154.0	C19
Anus, Anal Canal and Anorectum	154.2-154.8	C21
Liver	155.0, 155.2	C22.0, C22.2-C22.4, C22.7, C22.9
Intrahepatic Bile Ducts	155.1	C22.1
Gallbladder	156.0	C23
Other & Unspecified Biliary Tract	156.1-156.9	C24
Pancreas	157	C25
Retroperitoneum	158.0	C48.0
Peritoneum, Omentum and Mesentery	158.8-158.9	C45.1, C48.1, C48.2
Other Digestive Organs	159.8, 159.9	C26.8-C26.9, C48.8
Respiratory System	Sum of Subgroups	Sum of Subgroups
Nasal Cavity and Middle Ear	160.0, 160.1	C30
Accessory Sinuses	160.2-160.9	C31
Larynx	161	C32
Lung and Bronchus	162.2-162.9	C34
Pleura	163	C38.4, C45.0
Trachea	162.0	C33
Mediastinum and Other Respiratory Organs	164.2-164.9, 165	C38.1, C38.3, C38.8, C39
Bones, Joints and Articular Cartilage	Sum of Subgroups	Sum of Subgroups
Bones, Joints & Articular Cartilage of Limbs	170.4, 170.5, 170.7, 170.8	C40
Bones, Joints & Articular Cartilage of Other & Unspec Sites	170.0-170.3, 170.6, 170.9	C41
Soft Tissue (Including Heart)	Sum of Subgroups	Sum of Subgroups
Heart	164.1	C38.0
Peripheral Nerves & Autonomic Nervous System	---	C47
Connective, Subcutaneous & Other Soft Tissues	171	C49

Table 297. ICD-9 and ICD-10 Codes Used (Continued)

Type of Cancer	ICD-O Codes	
	Topography	Morphology
Skin (Excluding Basal And Squamous)	Sum of Subgroups	Sum of Subgroups
Melanomas Of The Skin	172	C43
Other Non-Epithelial Skin	173, 176	C44, C46
Breast	174-175	C50
Female Genital System	Sum of Subgroups	Sum of Subgroups
Cervix Uteri	180	C53
Corpus Uteri & Uterus, NOS	Sum of Corpus Uteri and Uterus, NOS	Sum of Corpus Uteri and Uterus, NOS
Corpus Uteri	182	C54
Uterus, NOS	179	C55
Ovary	183.0	C56
Vagina	184.0	C52
Vulva	184.1-184.4	C51
Placenta	181	C58
Other Female Genital Organs	183.2-183.9, 184.8, 184.9	C57
Male Genital System	Sum of Subgroups	Sum of Subgroups
Prostate	185	C61
Testis	186	C62
Penis	187.1-187.4	C60
Other Male Genital Organs	187.5-187.9	C63
Urinary System	Sum of Subgroups	Sum of Subgroups
Urinary Bladder	188	C67
Kidney and Renal Pelvis	Sum of Kidney and Renal Pelvis	Sum of Kidney and Renal Pelvis
Kidney	189.0	C64
Renal Pelvis	189.1	C65
Ureter	189.2	C66
Other Urinary Organs	189.3-189.9	C68
Eye and Orbit	190	C69
Brain and Other Central Nervous System	Sum of Subgroups	Sum of Subgroups
Brain	191	C71
Meninges	192.1, 192.3	C70
Spinal Cord, Cranial Nerves, & Other Parts of CNS	192.0, 192.2, 192.8, 192.9	C72
Endocrine System	Sum of Subgroups	Sum of Subgroups
Thyroid Gland	193	C73
Adrenal Gland	194.0	C74
Other Endocrine (Including Thymus)	164.0, 194.1-194.9	C37, C75
Hodgkin's Lymphoma	201	C81
Non-Hodgkin's Lymphoma	200, 202.8, 202.9, 202.0-202.2	C82-C85.9, C96.3
Multiple Myeloma	203.0, 238.6	C90.0, C90.2
Leukemia	Sum of subgroups	Sum of subgroups
Lymphocytic	Sum of subgroups	Sum of subgroups
Acute Lymphocytic	204.0	C91.0
Chronic Lymphocytic	204.1	C91.1
Other Lymphocytic	204.2-204.9	C91.2, C91.3, C91.7, C91.9
Granulocytic (Myeloid)	Sum of subgroups	Sum of subgroups
Acute Myeloid	205.0	C92.4, C92.5, C92.0
Chronic Myeloid	205.1	C92.1
Other Myeloid	205.2-205.9	C92.2, C92.3, C92.7, C92.9
Monocytic	Sum of subgroups	Sum of subgroups
Acute Monocytic	206.0	C93.0
Chronic Monocytic	206.1	C93.1
Other Monocytic	206.2-206.9	C93.2, C93.7, C93.9
Other	Sum of subgroups	Sum of subgroups
Other Acute	207.0, 208.0	C94.0, C95.0
Other Chronic	207.1, 208.1	C94.1, C95.1
Aleukemic, Subleukemic and NOS	202.4, 203.1, 207.2, 207.8, 208.2-208.9	C90.1, C94.7, C91.4, C91.5, C94.2, C94.5, C95.2, C95.7, C95.9
Other, Ill-Defined and Unspecified Sites	All Others	All Others

APPENDIX B – FORMULAS

AGE-ADJUSTED RATE:

$$\frac{E_t}{S_t} \times 100,000$$

$$E_t = \text{Total Expected Number of Events} = \sum_{i=1}^k E_i$$

$$S_t = \text{Total Standard Population} = \sum_{i=1}^k S_i$$

$$CR = \text{Crude Rate} = \frac{N_t}{P_t} \times 100,000$$

$$P_t = \text{Total State Population} = \sum_{i=1}^k P_i$$

$$N_t = \text{Total Number of Events} = \sum_{i=1}^k N_i$$

$$E_i = \text{Age-Specific Expected Number of Events} = \frac{N_i}{P_i} \times S_i$$

$$S_i = \text{Standard Age-Specific Population}$$

$$k = \text{Number of Age Groups}$$

AGE-ADJUSTED RATE

CONFIDENCE INTERVALS:

$$w_i = \frac{stdmil_i}{\left(pop_i \times \sum_{j=x}^y stdmil_j \right)}$$

$$w_m = \max(w_i)$$

$$v = \sum_{i=x}^y (w_i^2 \times count_i)$$

$$CI_{low} = \left(\frac{v}{2 \times rate} \right) \times \left(ChiInv \left(\frac{p}{2}, \frac{(2 \times rate^2)}{v} \right) \right) \times 100,000$$

$$CI_{upper} = \left(\frac{v + w_m^2}{2(rate + w_m)} \right) \times \left(ChiInv \left(1 - \frac{p}{2}, \frac{2(rate + w_m)^2}{(v + w_m^2)} \right) \right) \times 100,000$$

**AGE-ADJUSTED RATE
STANDARD ERROR:**

$$SE_{A\text{rate}} = \left[\sum_{i=x}^y \left(\frac{stdmil_i}{\sum_{j=x}^y stdmil_j} \right)^2 \times \left(\frac{count_i}{population_i^2} \right) \right]^{1/2} \times 100,000$$

CAUSE SPECIFIC SURVIVAL RATE:

$$L_x = L_{x-1} - D_{x-1} - U_{x-1} - W_{x-1}$$

$$L_x^* = L_x - \frac{1}{2}(U_x + W_x)$$

$$P_x = 1 - \frac{D_x}{L_x^*}$$

$$CP_x = P_1, P_2, \dots, P_x$$

L_1 = Total number of cases included in table

L_x = Number of cases alive at beginning of interval x

L_x^* = Adjusted number of cases alive at during interval x

D_x = Number of cases dying from Cancer during interval x

U_x = Number of cases untraced (lost to follow up) during interval x , where the definition for “lost to follow up” is: alive with follow up date prior to some prescribed date

W_x = Number of cases withdrawn alive during interval x , where the definition of “withdrawn alive” is: alive with follow up date later than some specified date (This is the same as in previous definition.)

P_x = Cause specific survival rate for interval x

CP_x = Cumulative cause specific survival rate

CRUDE RATE:

$$CR = \frac{\text{Number of Events}}{\text{Population}} \times 100,000$$

CRUDE RATE CONFIDENCE INTERVALS:

$$CI_{lower} = \left(\frac{100,000}{\text{Population}} \right) \times \left(\text{Events} - \left(1.96 \times \sqrt{\text{Events}} \right) \right)$$

$$CI_{upper} = \left(\frac{100,000}{\text{Population}} \right) \times \left(\text{Events} + \left(1.96 \times \sqrt{\text{Events}} \right) \right)$$

MEDIAN SURVIVAL RATE:

$$\text{Median Survival} = (\text{Interval} - 1) + \left(\frac{(CP_{x-1} - .5)}{(CP_{x-1} - CP_x)} \right)$$

ELSE IF: CP_x for first interval is less than .5, then median survival:

$$\text{Median Survival} = \frac{.5}{(1 - CP_x)}$$

ELSE IF: CP_x for interval is equal to .5, then median survival:

$$\text{Median Survival} = \text{Interval}$$

CP_x = Cumulative cause specific survival rate for interval x

PERCENTAGE (BRFSS) CONFIDENCE INTERVALS:

$$CI_{lower} = \text{Weighted\%} - 1.96 \times \sqrt{\frac{\text{Weighted\%} \times (1 - \text{Weighted\%})}{\text{Total Responses}}}$$

$$CI_{upper} = \text{Weighted\%} + 1.96 \times \sqrt{\frac{\text{Weighted\%} \times (1 - \text{Weighted\%})}{\text{Total Responses}}}$$

REFERENCES

- 1). Surveillance, Epidemiology, and End Results (SEER) Program Public-Use Data (1973-1999), National Cancer Institute, DCCPS, Surveillance Research Program, Cancer Statistics Branch, released April 2002, based on the November 2001 submission.
- 2). “ICD-9 to ICD-10” text document, ICD Conversion Programs, Surveillance, Epidemiology and End Results (SEER), National Cancer Institute, October 2002. <http://seer.cancer.gov/tools/>, 2002.
- 3). National Cancer Institute, Surveillance, Epidemiology and End Results (SEER), February 2003. <http://seer.cancer.gov/>, 2003.
- 4). National Cancer Institute, “What you need to know about...” publications. http://cancer.gov/cancer_information/list.aspx?viewid=920AFA90-5547-4739-8D2D-89968F77A87D., 2003.
- 5). Young JL Jr, Roffers SD, Ries LAG, Fritz AG, Hurlbut AA (eds). SEER Summary Staging Manual - 2000: Codes and Coding Instructions, National Cancer Institute, NIH Pub. No. 01-4969, Bethesda, MD, 2001. <http://seer.cancer.gov/tools/ssm/>. 2003.

FEEDBACK AND SUGGESTIONS

In a continuing effort to provide an annual Cancer Report that is useful to the communities of Nevada, feedback and suggestions on the information contained in this report is welcome. An electronic form is also available for completion at: <http://health2k.state.nv.us/nihds/cancer/1996-2000Report/feedback>.

Please return the completed survey by mail, fax or email to:

Center for Health Data and Research
 Bureau of Health Planning and Statistics
 505 E. King Street, Rm 102
 Carson City, NV 89701
 Fax: (775) 684-4156
tpollard@nvhd.state.nv.us

1. How did you first find the report?

Hard Copy Electronic Copy State Website

2. Please rate the overall value of the report:

Extremely Valuable					No value
5	4	3	2	1	
<input type="checkbox"/>					

3. Please rate the general information included in this report:

Type of Information	Extremely Helpful 5	4	Somewhat Helpful 3	2	Not Helpful 1	Not Applicable 0
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General Sections

Overview	<input type="checkbox"/>					
Cancer Incidence	<input type="checkbox"/>					
Inpatient Discharge	<input type="checkbox"/>					
Mortality	<input type="checkbox"/>					
Survival Rate	<input type="checkbox"/>					

(PLEASE CONTINUE SURVEY ON NEXT PAGE)

4. Please rate the information on specific types of cancer included in this report:

Type of Information	Extremely Helpful 5	4	Somewhat Helpful 3	2	Not Helpful 1	Not Applicable 0
Type of Cancer						
All Cancers	<input type="checkbox"/>					
Lung and Bronchus	<input type="checkbox"/>					
Breast	<input type="checkbox"/>					
Prostate	<input type="checkbox"/>					
Colorectal	<input type="checkbox"/>					
Urinary Bladder	<input type="checkbox"/>					
Non-Hodgkin's Lymphoma	<input type="checkbox"/>					
Kidney & Renal Pelvis	<input type="checkbox"/>					
Leukemia	<input type="checkbox"/>					
Lip, Oral Cavity & Pharynx	<input type="checkbox"/>					
Pancreas	<input type="checkbox"/>					
All Other Cancers	<input type="checkbox"/>					

Other Comments:

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